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Tuesday 28 June 2011

UNION

U12 **Geosciences and the Future of Planet Earth**
 Organisers: IUGG
 Co-Sponsors: IACS, IAG, IAGA, IAHS, IAMAS, IAPSO, IASPEI, and IAVCEI

- # 1700. Downscaling the wind energy resource in Complex terrain using coupled mesoscale and microscale models
V. Duraisamy Jothiprakasam
- # 3135. Can Artificially Impounded River Basins and Dams Experience Positive Feedback Mechanisms and Lead to an Increasing Frequency of Floods of the Same Magnitude?
F. Hossain
- # 5877. The Polar Regions: An area of active research for decades to come
A. Jahn
- # 1684. Drought monitoring and assessment using remote sensing in Iran
M. Jalili

Tuesday 28 June 2011

IACS

C02 **Ice Cores and Climate**
 Organisers: IACS

- # 2877. Modelling insights into deuterium excess in water vapour as an indicator of oceanic source conditions
S. Lewis

Tuesday 28 June 2011

IAMAS

M11 **Ice in the Atmosphere: Formation, Measurement, Modeling and Impacts**
 Organisers: IAMAS (ICCP)

- # 4345. Using a-train to define the relationship between cirrus cloud properties and the large-scale environment
E. Berry
- # 1436. Lagrangian Measurements and Modelling of Cirrus Clouds
A. Cirisan
- # 2863. Ice nucleating properties of volcanic ash particles from the Eyjafjallajökull volcanic eruption
J. Fan
- # 3418. Effects of Cloud Microphysics on Monsoon Convective System and its precipitation over the South China Sea
D. Fu
- # 709. Measurement of a Changing Moisture Climate
J. Hallett
- # 2191. Cloud phase - temperature relation in Arctic, Antarctic and Storm Track region derived from CALIPSO observation
Y. Hu
- # 4027. The Storm Peak Lab Cloud Property Validation Experiment: Description and Early Results
J. Mace

- # 5891. Satellite Detection of Liquid Water in Tropical Clouds Between -20 and -40 deg. C
D. Mitchell
- # 5236. Ice Microphysical Properties in Stratiform Region of a Baiu Frontal Convective System Observed by Hydrometeor Videosonde
T. Ohigashi
- # 1713. Development of a detailed ice melting scheme within bin microphysics in a 3D cloud model: An analysis based on an idealized simulation case.
C. Planche
- # 4592. Treatment of particle types in a refined cloud microphysics retrieval scheme
K. Sato
- # 5278. Microphysical Model Description and Implications for Water Transport Through the Tropical Tropopause Layer
R. Schofield
- # 1482. Evolution of an Arctic Storm: Impacts of atmosphere-ocean-ice coupled dynamics
L. Zhang

Tuesday 28 June 2011

IAPSO

P01 **General topics of ocean physics and chemistry**
 Organisers: IAPSO

- # 2593. Satellite derived chlorophyll a westward propagation across the South Pacific Ocean
A. Belo Do Couto
- # 4953. Surface manifestation of baroclinic tides estimated from multi-mission-satellite altimetry
W. Bosch
- # 2453. Spatial patterns of trends in sea surface temperature analysis from in situ data at east mole, lagos and global warming
O. Ediang
- # 2640. Beyond Regulation: Finding solution to a persistent problem of marine derrick and sea surface temperature measurement along coastline of lagos, Nigeria
O. Ediang
- # 3774. Contribution Of The Changjiang River Discharge To Sea Surface Warming In The Yellow And East China Seas In Summer
C.J. Jang
- # 3021. Interannual Variability of the North Pacific Subtropical Countercurrent: Role of Local Ocean-atmosphere Interaction
F. Kobashi
- # 1743. Interannual variability of sea surface height east of Taiwan Island
L. Li
- # 4652. Climate Drift in the CMIP3 Models
L. Muir
- # 2950. Development of the Practical River Run-Up Model of Tsunami based on Non-Linear Dispersive Wave Theory
Y. Murashima
- # 5675. Numerical study on the impact of the 18.6-year period nodal tidal cycle on the mid-latitude North Pacific ocean
S. Osafune

- # 3158. Improvement of Ocean Tide Corrections in the West and East Coasts of Canada by Least-squares Spectrum Analysis
M. Sideris
- # 2468. Rossby Waves and Current Bands in the Northeast Pacific
M. Stacey
- # 3379. Interdecadal variability of the Pacific subtropical cell: sensitivities to effective ocean optical properties
G. Yamanaka

P03 Ocean Mixing

Organisers: IAPSO

- # 3489. Diapycnal mixing generated by breaking of tide-induced large-amplitude internal waves
S. Abe
- # 5442. Assessment of Turbulence Closure Models for Resonant Inertial Response in the Oceanic Mixed Layer Using Large Eddy Simulations
N. Furuichi
- # 2600. Formation of a seasonal thermocline simulated by large eddy simulation
G. Goh
- # 4202. The ocean mixed layer depth and transition layer thickness as observed from Argo and CTD profiles
R. Helber
- # 3519. Vertical Propagation Of The Near-Inertial Waves During The Typhoon Rammason Observed By The Moored ADCP In The Tropical Western Pacific Ocean
E. Kim
- # 2134. Influence of lunar nodal tides on intermediate and deep waters of the East/Japan Sea
H.J. Lee
- # 2605. Prediction of the diurnal warming of sea surface temperature using the atmosphere-ocean mixed layer coupled model
E.J. Lee
- # 4587. Influence of rotating wind on Langmuir turbulence
H.S. Min
- # 1281. Buoyancy Scale Effects in Geophysical Turbulence Simulations
M. Waite

Wednesday 29 June 2011**UNION**

U02 **Grand Challenges in Natural Hazards Research and Risk Analysis**
 Organisers: IUGG Commission for Geophysical Risk and Sustainability (GeoRisk Commission) and IUGG/ICSU Extreme Natural Hazards and Societal Implications (ENHANS) Project

- # 100. Natural Hazards in Mega City of Jakarta (Indonesia)
H.Z. Abidin
- # 5815. A Cyberinfrastructure Tool to Support the Response to Extreme Events: The Tungurahua Volcano Community Mitigation Case Study
J. Bajo
- # 4761. Risk to the population posed by different natural hazards in Italy
F. Guzzetti
- # 4785. A national early warning system for rainfall-induced landslides in Italy
F. Guzzetti
- # 217. A Multio-bjective Model for Floodwater Resources Allocations
L. Jianwei
- # 219. Risk Study of Floodwater Utilization by Ponds and Wetlands
L. Jianwei
- # 1646. Mechanisms of rain-induced landslide events of 2008 in hills of Chittagong City of Bangladesh
Y.A. Khan
- # 5403. Addressing Geophysical Hazards through Continuously Operating GPS Observational Network and Integrated Ocean Drilling Program
Y. Kontar
- # 3939. Seismic Hazard Predictability
V. Kossobokov
- # 4716. Spatial resolution and phase information of SAR and PolSAR data in Earth's surface features and natural hazard detection and related data analysis
W.M. Moon
- # 2974. Seismic Risk Perception at the Nonoalco-Tlatelolco Housing Complex, Mexico City, Mexico
D.A. Novelo-casanova
- # 1038. Artificial Neural Networks Modelling For Landslides Hazard Zonation In A Part Of The Himalaya.
L. Nwankwo
- # 5304. Time-dependent ground shaking scenarios: an operational approach
A. Peresan
- # 4694. Integrated Natural Resources and Extreme Events Management: Decision Support Tools for More Resilient Communities
C. Renschler

Wednesday 29 June 2011**IACS**

C01 **Remote Sensing of the Cryosphere - linking and validating measurements from satellite, air, and ground**
 Organisers: IACS

- # 2978. Spatial Variation of snow accumulation along the Japanese-Swedish Antarctic Expedition over the East Antarctica
H. Enomoto
- # 4335. Tomographic Interpretation of Basal Rock Formations beneath Thwaites Glacier in West Antarctica
A. Hoch
- # 3593. Investigation Of Sea Ice Formation On Arctic Shelves By Means Of Helicopter-Borne Ice Thickness Measurements And Different Satellites
T. Krumpfen
- # 3268. Retrieval of Snow Surface Roughness from MODIS: Case Study for Sastrugi over the South Pole
K. Kuchiki
- # 2355. Aerial Imaging of Sea Ice with LiDAR and Photos
J. Lieser
- # 1538. Mass balance in the grounding zone of the Beardmore Glacier, Antarctica, based on satellite and ground based remote sensing measurements
O. Marsh
- # 3542. Evolution of the snow surface at Dome C, Antarctica, observed by ground-based near-infrared photography and passive microwave satellite
S. Morin
- # 3296. Numerical Simulations of an Aircraft Mounted FMCW Snow Cover Radar
D. Murphy
- # 5451. Mapping surface roughness of snow and ice from the Multi-angle Imaging SpectroRadiometer (MISR)
A. Nolin
- # 2563. Seasonal polarimetric radar response of Eastern Siberia
S. Park
- # 4570. UAV Borne Surface Roughness Characterisation Using GPS Kinematic Time Differencing and a Laser Distance Meter over Antarctica
W. Rack
- # 5159. The Relation Between Freeboard Height and Ice Thickness at the McMurdo Ice Shelf, Antarctica, Measured by Near Surface Remote Sensing Methods and Satellite Altimetry
W. Rack
- # 4726. Satellite-based monitoring of snow cover in the Southern Hemisphere at NOAA/NESDIS
P. Romanov
- # 2577. Variation of albedo on the dongkemadi glacier, Tanggula Mountains, Western China
J. Wang

C03 Morphology of Snow and Ice on the Ground and in the Atmosphere

Organisers: IACS
Co-Sponsors: IAMAS

- # 5829. On the Relationships Between Key Physical Properties of Snow at the Microstructure Scale.
F. Flin
- # 4018. The Liquid Water Content in Sea Ice Pressure Ridges determined by Surface Nuclear Magnetic Resonance
L. Rabenstein
- # 5162. Compaction and Accumulation of Antarctic Snow Measured By Ground Penetrating Radar
W. Rack
- # 5050. Field Observations of the Effect of Salt on Mechanical Properties and Metamorphosis of Snow on Roads
J. Wählin
- # 4090. Morphology and crystallography of Ice grains in Antarctic deep drilling samples (EDML): Cryogenic EBSD, X-ray Laue diffraction and optical microscopy
I. Weikusat

C04 Glacier and Ice Cap Fluctuations

Organisers: IACS

- # 4545. Structural Glaciology of a Temperate Maritime Valley Glacier: Fox Glacier, New Zealand
J. Appleby
- # 1419. Reconstructions Of Mountain Glaciers (The Northern Caucasus)
I. Bushueva
- # 2395. Characterizing the Atmospheric Controls on Glacier Behaviour in the Southern Alps of New Zealand
N. Cullen
- # 2923. A study of mountain glacier mass balance with CLM4
D. Ji
- # 1657. A multi-method approach to the long term volume change study of Storglaciären
A. Mercer
- # 1658. The Practical Implications of Errors in Remote Sensing of Area Change of Small Glaciers
A. Mercer
- # 3224. Subaqueous Terminus Morphology Of Lake-Calving Glaciers: Aoraki/Mount Cook National Park, New Zealand
C. Robertson
- # 665. Multi-decadal ice velocity and elevation changes on a monsoonal maritime glacier: Hailuoguo Glacier, China
Y. Zhang

Wednesday 29 June 2011

IAG

G01 Reference Frames from Regional to Global Scales

Organisers: IAG

- # 4783. Studies and research on the use of the ETRS-89 coordinate system and of the ellipsoid GRS-80 in Romania and of the Quasi-stereographical cartographic projection, GRS-80 ellipsoid and pole projection, same as in the 1970 stereographic map projection.
G. Badescu
- # 3517. The Results of ASG-EUPOS Processing in the Context of ETRS89 Realization in Poland
J. Bogusz
- # 1414. Vernal Point and the Knowledge Management of the Earth as a Dynamic System
I. Chavez-Sumarriva
- # 3910. Changes in the Argentine Geodetic Reference Frame due to the earthquake occurred in Chile in February 2010
S. Cimbaro
- # 5940. Implementation and development of Brazilian Network for Continuous Monitoring of GNSS - RBMC
J. Fazan
- # 5445. MARBLE (Multiple Antenna Radio-interferometry for Baseline Length Evaluation): Development of a compact VLBI system for calibrating GNSS and electronic distance measurement devices
R. Ichikawa
- # 2769. GLONASS time transfer in UTC generation
Z. Jiang
- # 668. Managing crustal motion models using GIS
K.M. Kelly
- # 2807. ITRF2008 Densification: Global vs Regional Approach
A. Kenyeres
- # 3932. Detection of Offsets in GPS timeseries Experiment (DOGEx)
M. King
- # 4558. Rebuilding the New Zealand Geodetic Network Following the Canterbury Earthquake
J. Ritchie
- # 5797. An investigation on the spectral Peaks in IGS REPRO1 time series
M. Santos
- # 1344. Spatiotemporal related Signal and Noise Analysis of GPS Monitoring Series of the Base Stations in China
Y. Shen
- # 5823. VLBI tracking of GLONASS satellites – a progress report
V. Tornatore
- # 2639. Stability of the Swiss terrestrial reference frame CHTRF
A. Wiget
- # 2557. Geocenter Motion from Reprocessed IGS Products
Q. Zhao

G04 Multisensor Systems for Engineering Geodesy
 Organisers: IAG

- # 1359. Multi-Sensor Approach to Dam Deformation Analysis
A. Ardalan
- # 3507. GNSS-based Multi-sensor System for Structural Monitoring Applications
J. Bogusz
- # 5645. Astro-geodetic measurements of deflections of the vertical by means of the low-cost clip-on CCD system DAEDALUS for total stations.
B. Buerki
- # 697. Indoor Locating and Inventory Management based on RFID-Radar Detecting Data
C.C. Chang
- # 4645. Application of Artificial Intelligence and Multi-sensor Systems in Navigation and Engineering Geodesy
D. Grejner-Brzezinska
- # 3837. Determination of the Earth's Gravity Field by using a Car-Mounted GNSS/IMS System
P. Hafner
- # 5905. I2GPS: Integrated Interferometry and GNSS for Precision Survey
R. Hanssen
- # 3791. Time Series Analysis And Simulation Of Aquifer-System Compaction And Land Subsidence In Changhua, Taiwan
W. Hung
- # 2072. Indoor navigation on the Edge - Report of IAG WG 4.1.2
G. Retscher

Wednesday 29 June 2011 IAMAS

M03 Aerosol-Cloud-Precipitation-Radiation-Interactions
 Organisers: IAMAS (ICCP, ICCL, IRC)

- # 4629. Spatial distribution of aerosol optical characteristics over the ocean from ship-borne sky radiometer measurements
K. Aoki
- # 1605. Changing Cold Season Weather Characteristics on the Territory of Verhniaya Volga (Nizhniy Novgorod Region) in the Last 25 Years
N. Bezrukova
- # 1440. Improvement of daily gridded Precipitation Data Using Synoptic Observation Data over Iran
J. Bodaghjamali
- # 3105. An improved precipitation scheme in Cumulus Parameterization
Y. Chen
- # 1084. Speeding Up the Polarized Radiative Transfer Model
M. Duan
- # 3412. Giant Dust Aerosols as Cloud Nuclei for Natural Precipitation Enhancement: Aircraft Measurements
X. Guo

- # 1098. Observations of Cloud Phase Properties over the Southern Ocean from A-Train
Y. Huang
- # 1366. Investigating over Silver Iodide cloud seeding effect on natural precipitation process using numerical cloud model
S. Javanmard
- # 1426. Assessment and Validation of PERSIANN System Rainfall Data Using Surface-Based Raingauge Data over Iran
S. Javanmard
- # 5061. On the role of sulphur emissions from clean power generation for regional climate
W. Junkermann
- # 987. Influence of the aerosol particles emitted by biomass burning on the solar radiation reaching the surface in Southwestern Amazon
B. Lobo
- # 721. Impact of crystal geometry on the retention of chemical species in a mixed phase cloud
Y. Long
- # 3000. Australian Aerosols and Their Impacts on Surface Radiation
F. Mills
- # 5607. Polarimetric Radar Retrieval of DSDs in Seeded and Non-seeded Clouds During CSR
J. Peter
- # 1205. Numerical simulation of frontal clouds accompanied by dangerous events in Crimea
G. Pirnach
- # 1867. Perturbation of sea-to-air DMS flux in Polar regions and the impact on contemporary climate
B. Qu
- # 3366. Simulation of rain scavenging and comparison with observation
I. Tsai
- # 1001. Climate Sensitivity and Cloud Feedback Process based on Aqua Planet Experiments
X. Wang
- # 1491. Aerosol dynamics and transport in a regional area
F. Wang
- # 3951. Comparison of ambient aerosol extinction coefficients obtained from in-situ, MAX-DOAS and LIDAR measurements in Cabauw (Netherlands)
E. Weingartner
- # 5171. Climatology of the CCN number concentration at the high alpine site Jungfraujoch (3580 m asl, Switzerland)
E. Weingartner
- # 5727. Smoke Effect on the Evaporation Efficiency in the Amazon Basin
M. Yamasoe
- # 927. Intensified reduction in summertime light rainfall over mountains compared with plains in Eastern China
J. Yang
- # 1242. Characterization of the Relationship between Aerosol and CCN on a high Mountain in Southeast China
Y. Yin
- # 749. Changes in solar radiation and their influence on temperature in China
H. Zhang

- # 2236. A Climatology of Aerosol Optical Depth over China from Recent 10 Years of MODIS Remote Sensing Data
X. Zheng
- # 1929. Impact of Aerosols on Cloud in a Polluted Episode in North China
C. Zhou

M06 **Bioaerosols in the Earth system**
Organisers: IAMAS (ICCP)

- # 4713. Heterogeneous Population of Bacteria at Barrow (Alaska) with Different Ice Nucleation Activity
P. Ariya
- # 632. Is there important potential role of bacteria in atmospheric ice nucleation?
R. Du
- # 657. Compared the ice freezing temperature of biological with abiotic ice nucleators
R. Du
- # 4088. Determination of airborne plant pathogens by DNA analysis: fungus-like microorganisms
J. Froehlich
- # 4100. The effect of bacterial ice nucleators in the atmosphere on the frequency and intensity of lightning simulated in the BRAMS model
F. Gonçalves
- # 4520. Crops and Crop Debris as Potential Sources of High-Temperature Ice Nuclei
T. Hill
- # 1246. Microbial implication in atmospheric chemistry
M. Vaitilingom
- # 1247. Biotransformation of methanol and formaldehyde by bacteria isolated from clouds. Comparison with radical chemistry
M. Vaitilingom
- # 5052. Living microorganisms in clouds: their identification and possible roles in cloud physicochemical processes
M. Vaitilingom

M07 **Advances in atmospheric dynamics**
Organisers: IAMAS (ICDM)

- # 701. A dynamical explanation for the effects of MJO on precipitation in South West Asia
F. Ahmadi-Givi
- # 735. Atmosphere teleconnection patterns and seasonal climate prediction on South America
T. Ambrizzi
- # 903. Relations Between Structure Evolution And Energy Cycle Of Different Types Of Cyclones
J.R. Dias Pinto
- # 904. Dynamic Of The Earth's General Circulation At Different Rotation Rates
J.R. Dias Pinto
- # 4331. The Anomalous Zonal Structure Of The Atlantic Jet During Winter Of 2009-10 - Possible Causes And Implications
N. Harnik
- # 4581. Medium-scale Travelling Waves in a Basic Flow with Non-uniform Potential Vorticity
K. Iga

- # 5510. Green's function and stability of parallel shear flow for a generalized two-dimensional fluid
T. Iwayama
- # 1612. Verification of second order closure model with no dependency Richardson number
A. Jalali
- # 3550. Dominant Mode of Climate Variability, Inter-model Diversity and Projected Future Changes over the Summertime Western North Pacific in Coupled Models
Y. Kosaka
- # 3719. Summertime blocking and Rossby wave breaking in a high-resolution GCM
M. Mori
- # 2434. Spectral Resonances of Orographic Drag in Nonhydrostatic Mesoscale
R. Room
- # 3082. Superrotation Strength Estimated from Algebraic Equations
H. Yamamoto
- # 1343. Study on Flow Properties of Convective Boundary Layer over Thermally Inhomogeneous Surfaces
R. Yuan
- # 1481. Effects of the Physical Process Ensemble Technique on Simulation of the Summer Precipitation over China
L. Zhang

M08 **The impact of solar variability on the Earth**
Organisers: IAMAS (ICMA, IRC, ICAE, ICCL, ICCP, IOC)

- # 2713. The effect of strong isolated geomagnetic storms on the atmospheric circulation in the Northern-Hemisphere winter
H. Davidkovova
- # 5070. Effects of the 11-year solar cycle on zonal asymmetries in middle atmospheric temperature, ozone and water vapor
A. Gabriel
- # 4935. Luni-solar Interactions in Cloudiness, Fog and Precipitation
L. Hejkrlik
- # 4104. The Influence of the Sea Surface Temperatures on the 11-year Solar Signal in the Indian Monsoon Circulation
U. Langematz
- # 4999. The Influence of Different Spectral Solar Irradiance Data on Stratospheric Heating Rates and Temperature
U. Langematz
- # 2614. Influence of geomagnetic activity on the North Atlantic oscillation: nonlinearity and multi-decadal modulation
Y. Li
- # 3506. The Sun's climate dynamics regulatory role
R. Mackey
- # 2874. Influence of tidal forces on solar activity
A. Panizo
- # 4430. Time Lag Between 11-year Solar Cycle and Climate System in Tropical Pacific
S. Petelina

- # 1027. Anomalous 2009/2010 Winter Atmospheric Circulations Influenced by the 2007-2009 Solar Cycle Minimum
H. Weng

M12 Mesoscale and synoptic scale meteorology in the Arctic and Antarctic

Organisers: IAMAS (ICPM)

- # 2690. Modelling the vertical structure of the central Arctic boundary layer: ASCOS case studies
C. Birch
- # 4453. Summer Climate of the McMurdo Dry Valleys from 15 Years of Polar WRF Simulations
D. Bromwich
- # 1517. Mesoscale Cyclones over Antarctica and the Southern Ocean.
M. D'amico
- # 1760. Antarctic land surface temperature change from MODIS Data, 2000-2010
Z. Du
- # 5805. Synoptic Controls of Accumulation at the Belgian Antarctic Station Princess Elisabeth During 2009-2010 via the Moisture Transport Pathways During Warm Events
I. Gorodetskaya
- # 5806. Contribution of the Surface and Snowdrift Sublimation to the Surface Mass Balance at the Belgian Antarctic Station Princess Elisabeth, East Antarctica
I. Gorodetskaya
- # 901. The Ebb and Flow of Antarctic Meteorological Data
M. Lazzara
- # 3786. Meteorological and Biometeorological Conditions in the Norwegian Arctic during the First (1882/1883) and the Fourth (2007/2008) International Polar Years
R. Przybylak
- # 789. Air-Sea Interaction Near Polynyas and Leads from Experimental Data and Numerical Modeling
I. Repina
- # 3344. Synoptic and Mesoscale Modes of Precipitation Delivery at Coastal Ice Core Sites in the Ross Sea Region, Antarctica
K. Sinclair
- # 5810. Observations and high resolution modelling of the generation and evolution of easterly jets in west of the Antarctic Peninsula
V. Smith
- # 1279. Atmospheric Causes of Climate Change In The Antarctic Peninsula Region
V. Tymofeyev
- # 3036. Influences of the East Asian marginal sea on weather around the Arctic area
M. Yamamoto
- # 5129. Mesoscale Modeling Study on Chukchi/Beaufort Sea Wind Fields: Climatology, Variability, and Extreme Events
J. Zhang

M13 Mineral dust: Its impact on the atmosphere and the ocean

Organisers: IAMAS (ICCP)

- # 4059. A new mineralogical database for atmospheric dust to estimate soluble iron fluxes to surface ocean
K. Desboeufs
- # 4199. Modeling dry deposition and resuspension of aerosols in atmospheric dispersion models
J. Feng
- # 3669. Simulation of Mineral Dust Aerosol and its Radiative Forcing Over Iran Using the Coupled Aerosol HAM Model and the Weather Research and Forecasting WRF Model
M. Rezazadeh
- # 1058. Modeling the properties of Asian and Saharan Dust and its Radiation Effects
L. Su
- # 5931. Sensitivity study of the effects of snow cover and soil moisture on Asian dust
T. Tanaka
- # 3497. Iron mobilization through cloud processing of mineral dust particles in the boundary layer
C. Wang

Wednesday 29 June 2011

IAPSO

P06 Eastern and Western Boundary Currents

Organisers: IAPSO

- # 2254. Cold water flow and upper-ocean currents in the Bismarck Sea from December 2001 to January 2002
T. Hasegawa
- # 2353. A Comprehensive Observation Of The Air-Sea Interaction North Of The Kuroshio Extension In KT-09-21 Cruise In October 2009
N. Iwasaka
- # 2621. A Study of Observed Volume and Heat Transports of the North Pacific Western Boundary Current System
X. Ju
- # 5697. Remote Influences of Boundary Current Variability on Extra-tropical Sea Surface Temperature
R. Marsh
- # 4530. Rain Band Along the Kuroshio in the East China Sea
T. Miyama
- # 2549. Subtropical western boundary currents separating from bottom slopes with inshore pool regions: An indication to the kuroshio near-shore path
H. Nishigaki
- # 798. Decadal shifts of the Kuroshio Extension jet: Application of thin-jet theory
Y. Sasaki
- # 2334. Roles of SST anomalies on the wintertime turbulent heat fluxes in the Kuroshio-Oyashio Confluence Region
S. Sugimoto

- # 5473. The Origin of the Water in the Augulhas Rings
M. Tsugawa
- # 4455. Diurnal Cycles of Turbulence in the Ocean Surface Mixed Layer in the Kuroshio-Oyashio Transition Region in KT-09-21 Cruise in October 2009.
K. Uehara
- # 4482. Long-term Variations of the Kuroshio Path South of Japan
N. Usui
- # 3230. Observation of the poleward jet separated from the Kuroshio Extension
T. Wagawa
- # 672. Dynamics and hysteresis of two western boundary currents encounter at a gap
Z. Wang
- # 1105. Application of conditional nonlinear optimal perturbation method to the predictability study of the Kuroshio path variation
Q. Wang

Thursday 30 June 2011 IAG**G05 Geodetic Imaging Techniques**

Organisers: IAG

- # 2286. Landslides inventory based on airborne laser scanning data – case study Roznow Lake, Southern Poland
A. Borkowski
- # 4861. Ground Deformation in Los Angeles Basin, 1995-2000 from Temporarily Coherent Point InSAR
X. Ding
- # 1596. InSAR Techniques and Applications for Monitoring Sinkholes in North West Plains of Iran, Hamadan Province
R. Heidari
- # 2336. CORsnet-NSW and Airborne LiDAR: A Match Made in Heaven
G. Jones
- # 1699. Application of InSAR in Subsidence Monitoring and Analysis, Case Study: Hamadan State of Iran
B. Mohaghegh
- # 3851. Crustal deformation researches in Japanese InSAR community (PIXEL)
T. Ozawa
- # 1866. Monitoring Coastal Erosion on Galveston Island Using Airborne and Terrestrial LiDAR Scanning
M. Sideris
- # 2054. Radar Cross Section (RCS) Analysis of Artificial Corner Reflectors based on Physical Optics Method
J. Yin

Thursday 30 June 2011 IAMAS**JM05 Manifestation of anthropogenic forcing and natural variability in the Arctic and Antarctic climate systems**

Organisers: IAMAS (ICPM), IAPSO, IACS

- # 2245. Possible snow albedo reduction due to black carbon in snowpack and snow grain size variation on the present earth
T. Aoki
- # 4425. ENSO-SAM Teleconnections and Decadal Variability
D. Bromwich
- # 4444. Progress and Overview of the Arctic System Reanalysis
D. Bromwich
- # 5199. Antarctic Peninsula and Austral Southern South America Spring Surface Temperature Characteristics and Coupling
P. Canziani
- # 1448. Input and distribution of nano- and microparticles (dispersed sedimentary matter) in the Arctic at the border 'ocean-atmosphere'
N. Goryunova
- # 3313. Radical Spatial Shift of Atmospheric Circulation Pattern and its Driving Role in Recent Rapid Changes in Arctic Climate System
J. Zhang

Thursday 30 June 2011 IAMAS**JM10 Monsoons, Tropical Cyclones and Tropical Dynamics****JM10PS1 Monsoons**

Organisers: IAMAS (ICCL,ICDM), IAPSO, IACS, IAHS,GEWEX, CLIVAR

- # 2689. Modelling mesoscale convective systems over West Africa: AMMA case study
C. Birch
- # 750. Interdecadal change of the Asian summer monsoon: comparison of ERA-40 with NCEP-R1 reanalysis
J. Chen
- # 822. The impact of Atlantic Ocean on the multidecadal fluctuation of ENSO's South Asian monsoon relationship in a coupled GCM
W. Chen
- # 5687. Simulated interannual and interdecadal variability of the Indian summer monsoon: combined role of ENSO and Indian Ocean Dipole (IOD)
A. Cherchi
- # 3564. Long-term Changes in Precipitation Extremes Over the Bangladesh
J. Matsumoto
- # 1196. Relationships between different phases of the South American monsoon
A. Grimm
- # 870. Decadal Variation of Different Durations of Continuous Meiyu Precipitation and the Possible Cause
D. Huang
- # 871. Multi-timescale Variations of East Asian Winter Monsoon Intensity and its Relation with Sea Surface Temperature during Last Millennium based on ECHO-G Simulation
D. Huang
- # 3784. Stable Isotopes In Precipitation Over Japan
K. Ichiyonagi
- # 3496. Changes Of The Seasonal Evolution Of The Asian Summer Monsoon Under Global Warming Condition In The CMIP3 Multi-Model Experiments
T. Inoue
- # 3375. Variation of Evaporation over South China and its Relation to Precipitation
M. Jian
- # 692. ISO modulating effect on the summertime circulation patterns for southern Taiwan's monsoon rainfall and the associated during July to September
K. Ko
- # 3709. Winter Climate Extremes in China from the Perspective of East Asian Trough
Y.T. Leung
- # 873. A monsoon-like Southwest Australian circulation and its relation with rainfall in Southwest Western Australia
J. Li
- # 1939. Forecasting of Rainfall Distribution during Summer(JJA) over East Asia Region base on Time of South China Sea Summer Monsoon Onset
Y. Lin

- # 833. How the inertial instability affect the Indian Summer Monsoon onset processes
B. Liu
- # 1230. Interhemispheric Atmospheric Mass Oscillation and Its Relation to Interannual Variations of Asia Monsoon in Boreal Summer
C. Lu
- # 4794. Daytime thermodynamic and airflow structures over northeast Bangladesh during the pre-monsoon season: a case study on 25 April 2010
F. Murata
- # 561. Asymmetry of ENSO transition/duration and their simulations in WCRP CMIP3 Multi-model Experiments
M. Ohba
- # 4250. Precipitation Variability Over the South Asian Monsoon Heat Low and Associated Teleconnections
S. Saeed
- # 4640. The variability of stable isotopes in rainfall in response to the Australian monsoon
R. Suvarman
- # 3810. Spatial Variation of Stable Isotopes in Precipitation at Kumamoto, Japan
M. Tanoue
- # 4839. Australian monsoon response to the Indian Ocean basin-wide warming
A. Taschetto
- # 3610. Interannual Variability of the Baiu Season near Japan Evaluated from the Equivalent Potential Temperature
T. Tomita
- # 1367. Future Projections of the Asian Summer Monsoon in the Stream-2 Integrations of the EU-ENSEMBLES Project
A. Turner
- # 5652. The effect of seasonally varying optical properties of the Arabian Sea on SST biases and the Indian summer monsoon in a coupled GCM
A. Turner
- # 1234. Inhomogeneous Distributions of Jiang-Huai Meiyu Rainfall and the Associated Circulation Background
L. Wang
- # 1317. The Influence of Anomalous Diabatic Heating Over Tibetan Plateau in Spring on The Asian Tropical Circulation and Monsoon Onset
T. Wang
- # 2928. Tropical Low Frequency Oscillations with 30-60 day period and Its Influence on the South China Sea Summer Monsoon
Z.P. Wen
- # 4770. Influence of Tropical Disturbances and the Asian Winter Monsoon on Rainfall Variability in Central Vietnam
P. Wu
- # 650. Deep Atmospheric Response to the Spring Kuroshio Current over the East China Sea
H. Xu
- # 4889. Spatiotemporal Differences in the Interannual Variability of Baiu Frontal Activity in June
T. Yamaura
- # 926. Extreme drought event of 2009/2010 over southwestern China
J. Yang

- # 2348. The significant relationship between the Arctic Oscillation (AO) in December and the January climate over South China
H. Yang
- # 922. An east asian subtropical summer monsoon index defined by moist potential vorticity
B. Yun
- # 4757. Changes in ISOs over the East Asian monsoon and their modulations
K. Yun
- # 875. The relationship between the boreal winter SAM and the following spring precipitation in South China
F. Zheng
- # 747. Impact of East Asian Winter Monsoon on Rainfall over Southeastern China and its Dynamical Process
L. Zhou
- # 590. The relation of vegetation over the Tibetan Plateau to the rainfall in China in boreal summer
Z. Zuo

M05 Comparative Atmospheres of the giant planets and their satellites
Organisers: IAMAS (ICPAE)

- # 2444. Atmospheric variations on Titan over time
A. Coustenis
- # 5924. Investigation of the Photochemistry in Saturn™s Ring Shadowed Atmosphere: Production Rates of Key Molecules
S. Edgington

Thursday 30 June 2011 IAPSO

JP02 Future state of the Arctic and potential impact
Organisers: IAPSO
Co-Sponsors: IACS and IAMAS

- # 1444. Recent changes of the thermohaline structure of the Arctic Ocean surface layer
E. Chernyavskaya
- # 3683. Arctic Sea-ice Decline Simulated in an Atmosphere-ice-ocean Coupled Model MIROC5
Y. Komuro
- # 3481. Arctic Cyclone Climatology: Present and Future
T. Spengler
- # 4224. Numerical modelling analysis of horizontal water exchange above underwater slopes in South-East Baltic
I. Chubarenko
- # 5259. Intermediate layers of internal seas: an overview
I. Chubarenko
- # 5275. Structure of vertical temperature, salinity and density profiles in SE part of the Baltic sea on the base of field data (2003-2006, r/v 'Professor Stokman')
I. Chubarenko
- # 3797. Characteristics of diurnal internal waves near the Japanese coast in the southwestern part of the Japan Sea
Y. Igeta

- # 5674. Acoustic Measurement of Ocean Currents near Taiwan
C. Liu
- # 2601. On the Yellow Sea Warm Current and its relationship with water exchange of the Bohai Sea
C. Ma
- # 2620. Numerical study on lagrangian inter-tidal transports in shallow seas
X. Mao
- # 4969. Transportation and sedimentation of particulate organic matter in Okhotsk Sea
S. Nagao
- # 5134. Formation of Zooplankton Aggregations within the Bowhead Whale Feeding Ground in the Sea of Okhotsk
K. Rogachev
- # 6007. Impact of wave action at different areas of Alexandria coast, Egypt
S. Sharaf El-Din
- # 6010. BUOYANCY FREQUENCY AND DIFFUSIVE HEAT FLUX AT FOUL BAY (RED SEA)
S. Sharaf El-Din
- # 5057. Seasonal and interannual variability of surface heat and freshwater fluxes in the Mediterranean Sea: budgets and exchange through the Strait of Gibraltar
J. Soto Navarro
- # 2510. Seasonal and interannual variability of subsurface waters flowing through the Strait of Sicily during the last decade
S. Sparnocchia
- # 5795. A 25 years-long record of anoxia in a semi-enclosed sea. A case study: the NW Adriatic Shelf, Italy.
S. Sparnocchia
- # 4876. Evolution of plume with abrupt change in river discharge: case study of the Yellow River in China
Y. Wang
- # 5525. Primary Production in the Sulu Sea Upwelling and primary production in the Sulu Sea
A. Xiao
- # 2619. Seasonal variation of chlorophyll a and its mechanism in the Yellow Sea and East China Sea
L. Zhao
- # 5315. Discriminating between Blasts, Collapses and Natural Seismic Events
R. Cuthbertson
- # 2370. Seismotectonic studies along the Kopili lineament, NE India
S. Davuluri
- # 5218. Testing of USGS/NEIC automatic procedures for computing IASPEI standard magnitudes
J. Dewey
- # 5352. The 2002 Supershear Denali Earthquake and its Aftershocks: Complex Network Analysis of Spatio-Temporal Recurrences
D. Eaton
- # 3763. Applicable Condition of the Markov Approximation for Elastic Wave Envelopes in Nonisotropic Random Media
K. Emoto
- # 5872. The Garfagnana (Italy) Earthquake of 7th September 1920: Reassessment of the Main Seismological Parameters
G. Ferrari
- # 703. Seismic activity in Iranian Plateau during 2009-20
M.R. Gheitanchi
- # 3551. A Review of the Romanian Digital Seismic Network Activity: from Earthquake Monitoring to Engineering Studies
B.B. Grecu
- # 2546. Earthquake clusters with small repeating earthquakes in the Japanese Islands
T. Igarashi
- # 2173. Focal Mechanism Catalog Using P-wave First Motion Polarities of the Japan University Network Catalog (JUNEC) and Its Characteristics
T. Ishibe
- # 2363. Autocorrelation analysis of ambient noise in the northeastern Japan subduction zone
Y. Ito
- # 5760. Seismic activity of Zagros mountains, western Iran
M. Javaheri Mofrad
- # 731. Passive seismic experiment at King Fahd University of Petroleum and Minerals in Saudi Arabia
S.I. Kaka
- # 5329. Empirical Relations to Convert Different Magnitude Types to Moment Magnitude for Iran Earthquakes
S. Karimiparidari
- # 2044. Iterative Algorithm based on Weighted Average Velocities for Efficient Inversion Hypocentral Parameters
W. Kim
- # 3641. Passive Seismic Imaging with Ambient Noise of Fluid Migration through the Crust in the Earthquake Swarm Area of W-Bohemia/Czech Republic
M. Korn
- # 3413. Automated Moment Tensor Inversion for Australian Region Using 3-D Structural Model
E. Leask
- # 3093. Heterogeneity in stress field and structure at the fault edge of the 2005 Fukuoka earthquake (M7.0) obtained from seismic observation
S. Matsumoto

Thursday 30 June 2011

IASPEI

S01/S03 Seismological Observation and Interpretation/ Sub-Saharan Africa Seismology

Organisers: IASPEI

- # 5016. The Mara Rosa 5.0 mb earthquake and aftershock activity, Goiás State, Brazil
L. Barros
- # 841. Focal mechanisms of large earthquakes in Turkey
E. Boustan
- # 4926. Characteristics of shallow seismic activity in the Beppu-Shimabara area, Kyushu, Japan
H. Chikura

- # 5427. Large chemical explosions as ground-truth events to calibrate seismic stations networks in central Asia.
N. Mikhailova
- # 581. Seismic activity of the region of Ulaanbaatar, (Implication of the evaluation of the seismic risk)
A. Munkhsaikhan
- # 3532. Source Parameters Of A Moderate Yellow Sea Earthquake In 2011
S. Park
- # 3233. Surface Wave Back-Projection for Near Real-Time Determination of Global and Regional Earthquake Locations, Magnitudes and Mechanisms
J. Polet
- # 1276. Seismic Monitoring in Iran: Recent developments
M. Rezapour
- # 5588. Waveform through the subducted plate under the Tokyo region in Japan observed by a ultra-dense seismic network (MeSO-net) and seismic activity around mega-thrust earthquakes area.
S. Sakai
- # 3168. Postseismic Variations of Underground Water Level
I. Sanina
- # 5606. On the repeatability of the rupturing processes of the moderate-sized repeating earthquakes
K. Shimamura
- # 5690. Recent Seismic Activity in Ulaanbaatar Region in Context of Geodynamics and Seismicity of Mongolia. Focal Mechanisms of Earthquakes in Mongolia.
D. Sodnomsambuu
- # 5691. Focal Mechanisms of Earthquakes in Mongolia
D. Sodnomsambuu
- # 5581. New Digital Seismographic Network (KRNET) in the Central Asia
I. Sokolova
- # 3163. Timeliness of the ISC data
D. Storchak
- # 839. Focal mechanism solutions of earthquakes of Iran
N. Tahernia
- # 1387. Seismic Coda Attenuation Variation in the Gauribidanur Seismic Array (GBA) Region of Southern India
J. Tripathi
- # 1834. Studies of crustal structure in the Virunga area and seismic precursors to volcanic eruptions of volcanoes Nyiragongo and Nyamuragira, Western Rift Valley of Africa
G. Tuluka
- # 2586. The 2006 Kiholo Bay, Hawaii, earthquake sequence: Variation in stress drops of small earthquakes consistent with the main shock slip distribution
T. Yamada
- # 3599. Hypocenter relocation of major earthquakes and the comparison with the interplate quasi-static slip rate in the hyuga-nada, SW Japan subduction zone
Y. Yamashita
- # 3349. The Hypocenter and Origin Time of the Mw7.9 Wenchuan Earthquake of May 12, 2008
Z. Yang

- # 1875. Analysis of superconducting gravimeter observations in China
L. Ziwei

S04 Non-instrumental seismology
Organisers: IASPEI

- # 5296. 3D Lattice Solid Model for Simulation of Earthquake Processes
S. Mehrabian
- # 2290. Fault Shape Effect on Early Phase of Nucleation
Y. Mitsui
- # 3667. Re-Examination Of Damage Distribution And Source Of The 1751 Takada And 1828 Sanjo Earthquakes In Central Japan
A. Nishiyama
- # 5147. Distribution of the numbers of casualties in squares in Edo(Tokyo) city due to the Ansei Edo Earthquake of November 11th, 1855
Y. Tsuji

S06 Recent Large/Destructive Earthquakes
Organisers: IASPEI

- # 807. Retrofitting Buildings in Algeria since the 1980 El Asnam Earthquake: What Efficiency?
M.N. Farsi
- # 5807. Global Seismicity: Steady-State or Transient-Like?
T. Fischer
- # 3648. Initial Rupture Process of the 2009 Suruga-Bay Earthquake
F. Goto
- # 529. Analysis to the energetic particles around the chili earthquake m 8.8
J. Huang
- # 2432. About a Unique Shalkar Earthquake Occurred on April 26, 2008 in Kazakhstan.
N. Mikhailova
- # 2706. A new technique of joint inversion of teleseismic data and InSAR data, and the application to the rupture process study of the 2009 L'Aquila MW6.3 earthquake
Y. Zhang

S15 Anisotropy and attenuation: mechanisms, processes and observations
Organisers: IASPEI

- # 1832. Estimation of Coda Wave Attenuation in the Caraiabas/Itacarambi Seismic Area, Sao Francisco Craton, Brazil
C. Chimpliganond

S15 Anisotropy and attenuation: mechanisms, processes and observations
Organisers: IASPEI

- # 5117. Seismic anisotropy beneath Cotopaxi volcano (Ecuador)
G. Douillet

- # 5665. A low-frequency laboratory apparatus for characterizing mechanical properties of rocks
B. Gurevich
- # 5390. Spatial and Depth Extent of Anisotropy in South Island, New Zealand: Using Shear-wave Splitting of Local S Phases
S. Karalliyadda
- # 2502. Mantle dynamics and anisotropic structure beneath the Western Mediterranean constrained by seismic anisotropy and global flow models
M. Miller
- # 2076. Relation between Coda-Q and stress loaded to an elastic body ~Estimation of physical state parameters derived by stochastic seismic measurement~
K. Okamoto
- # 2450. Variations of Seismic Anisotropy in the Mantle Lithosphere of the Archean Part of the Fennoscandian Shield
J. Plomerova
- # 4282. What really causes the noise in shear wave splitting measurements?
M. Savage
- # 1088. Seismic Attenuation Anisotropy in the Southernmost Part of the Taupo Volcanic Zone, North Island, New Zealand
S. Syuhada
- # 5467. Seismic anisotropy apparently caused by contamination of P-S or S-P converted wave
Y. Tono
- # 1462. Crustal cracks in areas of active deformation: Investigating shear-wave splitting in relation to strain and stress
K. Unglert
- # 4596. An Inversion of Site Response and Lg Attenuation Using Lg Waveform in northern China
Z. Xin-Yun
- # 4631. An Inversion of Site Response and Lg Attenuation Using Lg Waveform in northern China
X. Zhu

Friday 1 July 2011

UNION

U04 Progress and Perspectives in Studies of the Continental Lithosphere

Organisers: UNION

- # 2463. Continental Mantle Lithosphere as a Patchwork of Micro-plates with their own Pre-assembly Olivine Fabric Mapped by Seismic Anisotropy
V. Babuska
- # 2606. The rate of deformation of Australia estimated from an earthquake catalogue and a numerical model of the plate
D. Burbidge
- # 1702. The Potential of Satellite Gravity and Gravity Gradiometry in Deciphering Structural Setting of the Himalayan Collision Zone
V. Tiwari

Friday 1 July 2011

IUGG

GC1 General Contributions

Organisers: UNION

- # 633. Seismic noise analysis at some broadband stations of egyptian national seismological network
A.E. Abd El-Aal
- # 1108. Effects of Climate Change and Other Human Activities On The Water Quality And Quantity Of Rawal Lake – A Vital Drinking Water Source For The Rawalpindi City
N. Ahmad
- # 734. Sq field characteristics at Phu Thuy-Vietnam during the solar cycle 23 : comparisons with Sq field in other longitude sectors
C. Amory-Mazaudier
- # 1823. Modeling the Year Without Summer 1816 in a Chemistry-Climate Model
F. Arfeuille
- # 3565. Volumetric Dynamic Vertical Seismic Sounding Method
O. Babazade
- # 5842. Active tectonics of Northeastern Libya; implications of Seismicity and gravity studies
A. Ben Suleman
- # 536. Mean Wave Propagation in a Rotating Thermo-Granular Elastic Medium
R.K. Bhattacharyya
- # 427. Uncertainty analysis of numerical simulation of hillslope soil flow dynamics
X. Chen
- # 1944. New Estimates of the Dynamic Figure Parameters of the Stratified Earth
W. Chen
- # 4808. The dome collapse eruption and synchronous landslide in Tatun Volcanic Group at ~6 kyrs
C. Chen
- # 101. Is The Significance of Hydroclimate Trends Over-Estimated? A Case Study from the Brazilian Amazon.
R.T. Clarke

- # 5570. Capacity Building in the Context of the Comprehensive Nuclear-Test-Ban Treaty
J. Coyne
- # 5571. Infrasound Calibration in the Eastern Mediterranean
J. Coyne
- # 3570. 3D Lithospheric Structure of the North China Craton from the Teleseismic Receiver Function
Z. Ding
- # 6019. Possible impact of recent tsunamis on groundwater quality: Experience from 2004 Indian Ocean Tsunami
L. Elango
- # 83. Earthquake Control & Prevention
K. Fahmi
- # 1698. Emplacement Temperatures of Pyroclastic and Volcaniclastic Deposits in Kimberlite Pipes in Botswana
G. Fontana
- # 945. Potential Issued of Earthquake Early Warning and Decision Support System, (Lesson from Tasikmalaya Earthquake, West of Java)
H. Gunawan
- # 6006. How stable are Stable Continental Regions - 1 ~15 million years record of intraplate seismicity
S. Jakica
- # 696. Geophysical Investigation for Mapping of Basement Structures around Iwaraja Area, Southwestern Nigeria.
J.S. Kayode
- # 705. Interpretation of Ground Magnetic Anomalies around Some Parts of Ilesha Southeastern Schist Belt Southwestern, Nigeria.
J.S. Kayode
- # 1704. Petrological and geochemical variations during the explosive caldera forming cycle at Vico Volcano, Central Italy
M.I. Laird
- # 3042. Study on the Spatial Characteristics of Gravity Earth Tidal Factor of China
H. Li
- # 5551. Software development for gps deformation monitoring in local cors network
M.C. Lim
- # 1761. Recent Seismicity of Semeru Volcano, East Java, Indonesia
S. Maryanto
- # 2907. Hydraulic modelling of magma plumbing system inferred from geodetic observations: Implications from the 2009 Sakurajima eruptive activity
S. Minami
- # 680. Assessment of Global and National Digital Elevation Models for Geodetic and Geomorphologic Applications in Makkah Metropolitan Area, Saudi Arabia
M. Mirza
- # 87. Distinguishing Human and Climate Influences on the Columbia River: Changes in the Disturbance Processes
P. Naik
- # 6031. The Ages and Mechanism of Monogenetic Volcanoes of the Bajawa Volcanic Complex, East Nusa Tenggara, Indonesia
A. Nasution

- # 255. Potential slope failure hazard mapping using the latest gridded precipitation data in tropical Asian monsoon region
K. Ono
- # 777. Shallowing of Mafic Crust, High Mantle Heat Flow and Magmatic Extrusion in Indian Shield and Relevance to Intraplate Earthquake Occurrences
O.P. Pandey
- # 4391. Effects of Ice Microphysics and its Interaction with Radiation on Tropical Equilibrium States: A Two-Dimensional Cloud-Resolving Modeling Study
F. Ping
- # 517. Feasibility study of groundwater recharge through rainwater using existing dried shallow dug wells in ward no: 19, Kathmandu, Central Nepal
H. Raj Joshi
- # 148. Impacts of land use change on groundwater recharge: Case study from Western Australia
R. Sarukkalige
- # 1345. A constrained total least-squares adjustment model based on the Newton-Gauss approach of non-linear adjustment
Y. Shen
- # 1390. Lithostratigraphy of Nigeria An-Overview
K.A. Shitta
- # 4937. Satellite-based rainfall estimates for flood prediction in the Brahmaputra basin
M.S. Shrestha
- # 1063. Relationship between cutoff-low systems in the Southern Hemisphere and large scale phenomena
M. Simões Reboita
- # 4802. Aerosols, Weather and Climate
V. Smorodin
- # 2253. Enhancing Wings of Maxwellian Velocity Distribution Functions [VDF]
R. Steinitz
- # 2271. Attenuation for P and S waves in the frequency range 0.2 - 8 Hz in the upper mantle beneath Iberia from recordings of the very deep 2010 Spanish earthquake
D. Stich
- # 934. Impacts of nonlinear climate change on the soil carbon by conditional nonlinear optimal perturbation in China
G. Sun
- # 579. Trace Element Signature in Fe oxide as Indicator Mineral for Cr-Ni-Cu ± PGE Mineral Exploration – A Challenge to exploit in layered complexes of Western Dharwar Craton
P.V. Sunder Raju
- # 1880. Textural and Compositional Relationships of Rutile and Chromite in Sittampundi Anorthosite Complex, Tamil Nadu, India –QEMSCAN Study
P.V. Sunder Raju
- # 6049. Petrography and Geochemistry of Volcanic Rocks from Banten Volcanic Complex West Java Indonesia
E. Suparka
- # 5158. Damage of the tsunami of the Solomon Islands earthquake of April 2nd, 2007
Y. Tsuji
- # 5712. Seismic Risk Adaptation and Mitigation in the Oil and Gas fields of East Africa
I. Tumwikirze
- # 2409. The Noise Level of Observatory of Gravitation and Earth tides Observatory of China measured by SG-053
J. Wei
- # 849. Relationship between geological structure and recording micro seismic activities in Sri Lanka
A. Wickramasooriya
- # 6016. Research on the coseismic response of well water level and temperature caused by Japan M9 Earthquake
X. Yang
- # 1342. Study of Coordinate Rotation on Eddy Covariance Flux Estimation over Complex Terrain
R. Yuan
- # 857. Analysis of impact of source region structure on seismology parameter scan results
C. Yuwei
- # 1779. An Alternative Method for Crustal Density Modeling Based on 3-D Gravity Inversion
D. Zamzam
- # 281. Study on adaptation of different climate zones using XAJ Model
L. Zhang
- # 1118. Effects of water content on soil thermal conductivity parameterization in Simple Biosphere Model 2(SiB2)
X. Zhang

Friday 1 July 2011

IACS

JC02/JC03 Snow - Atmosphere Interactions and Avalanches.

Organisers: IACS

Co-Sponsors: IAMAS, IAHS (ICSIH)

- # 5361. A Role of Loading Rate in Snow Avalanche Release
P. Chernous
- # 5464. Slushflows in the Khibiny Mountains. Description, Statistics, Diagnostics.
P. Chernous
- # 4201. Glaciers as an Icon of Climate Change: Experience from Slovenia
B. Erhartiè
- # 6068. pSNOWPACK: A forecasting tool for avalanche warning services.
C. Fierz
- # 300. Mass balance of Potanin glacier, Mongolian Altai
K. Konya
- # 3752. The Effect of Drifting Snow Sublimation in Mountains
M. Lehning
- # 3543. Reconstructing snow accumulation time series at a high Alpine site from a blending of observations and modelling.
S. Morin
- # 3831. Sub-surface heat flux in snow from fiber-optic distributed temperature sensing
M.B. Parlange

- # 4000. Determining thermal diffusivity of snow from highly resolved temperature measurements
M.B. Parlange
- # 5635. Atmospheric turbulence effects on air movement in snow and associated heat and moisture transport
M.B. Parlange
- # 4841. Field observations of short- and long-wave radiation in blowing snow
K. Sugiura
- # 1649. Crocus-SURFEX: A new simulation platform dedicated to study snow-cover processes
V. Vionnet
- # 4717. Heat-balance and Snowmelt over Glaciers in Bolivia
T. Yamazaki

- # 5004. Some advance and Challenge in high precision GNSS
Y. Gao
- # 1689. Characterisation of time correlated noise in large GPS networks
M. Hackl
- # 3836. Investigations on a Real-Time PPP Client
P. Hafner
- # 4759. PPP Analysis of Real-Time GDA94 Orbit Corrections
L. Huisman
- # 3339. Estimates of ocean tide loading displacements using precise point positioning in Antarctica
Y. Jianguo
- # 4870. Array-bootstrapped Multivariate Integer Ambiguity resolution for Precise Baseline Determination
B. Li

Friday 1 July 2011 IAG

JG02 Application of Geodetic Techniques in Cryospheric Studies

Organisers: IAG
Co-Sponsors: IACS

- # 4672. Validation of CryoSat-2 in the Totten Glacier and Law Dome Area, East Antarctica
R. Burgette
- # 2130. The mass variations and height changes of Antarctica ice sheet by using GRACE and ICESat data
W. Hanjiang
- # 4146. Combining radar altimetry and gravimetry over antarctica for improved mass balance studies
B. Legresy
- # 2859. High-Altitude Glacier Observatory “Ground Truth for CryoSat-2”
T. Schöne
- # 5108. Absolute gravity changes from GIA models and measurements at Greenland GNET stations.
G. Strykowski

G07 High Precision GNSS

Organisers: IAG

- # 971. Network DGPS and Network RTK: Implementation and Analyses for São Paulo State Network
D. Alves
- # 3922. Studies and research on the use of GNSS and the Romanian position determination system ROMPOS, in Romanian geodesy works
G. Badescu
- # 2709. Towards an IGS phase center variation file covering all GNSS frequencies
M. Becker
- # 5876. UNAVCO Development and Testing Activities in Support of Next Generation GNSS Networks
F. Blume
- # 3464. Supporting Modules for Real-time Services of Polish GBAS
J. Bogusz
- # 3911. Ntrip service in argentina
S. Cimbaro

- # 5833. Station calibration of the SWEPOS GNSS Network
M. Lidberg
- # 4026. Comparing GPS and GPS/GLONASS Solutions within Permanent Regional Network
T. Liwosz
- # 1150. A realistic and easy-to-implement weighting model for GNSS phase observations
X. Luo
- # 518. Power-law noise Identification Using the Allan Variance Estimator: Application in Timing.
M. Meslem
- # 2337. Research on GNSS integrity monitoring system
J. Mi
- # 4767. An Accuracy Analysis of PPP-RTK Network Corrections
D. Odijk
- # 2068. Position time series analysis of Iranian Permanent GPS Stations
S.M. Razezghi
- # 5182. Global Assessment of UNB’s Online Precise Point Positioning Software
M. Santos
- # 2647. Evaluation of IGS reproduction precise ephemeris applying the analysis of the Japanese domestic GPS network data
S. Shimada
- # 3382. Measuring Integrity Characteristics of Real-Time Kinematic Positioning Solutions with Predicated Mean Square Error
J. Wang
- # 2061. Equivalence of Existing Network RTK Methods under the PPP Mode
Q. Zhao
- # 2165. Automatic Online GNSS Precise Positioning Service
Q. Zhao

Friday 1 July 2011 IAMAS

JM03 Earth system observations and integration

Organisers: IAMAS (ICCL), IAPSO

- # 4314. Observing System Monitoring Center (OSMC)
R. Bouchard

- # 4315. The National Data Buoy Center - Strategic Ocean Observations and International Collaboration
R. Bouchard
- # 3034. The Role of Extra-Tropical Upper Level Disturbance in the Unusual Dry-Season Rainfall over West Africa.
R. Ewanlen
- # 4595. Coupling of Cloud Base Height with Surface Fluxes At Cabauw: A Transferability Experiment
E. Gbobaniyi
- # 2161. Comparison of Cloud Cover from All-sky Imager and Meteorological Observer
J. Huo
- # 4787. Indian Ocean Observing System (IndOOS): Present Status
Y. Masumoto
- # 4506. A Database of Schumann Resonance Observations from a Global Network of ELF Stations
V. Mushtak
- # 4218. Estimation the Rangeland Vegetation Cover of Tange Sayyad Region (Chaharmahal va Bakhtiary Province) Using IRS LISS-III Data
M. Naderi Khorasgani
- # 4219. Estimation Rangeland Yield Using IRS LISS-III Data A case study in Tangesayyad Region (Chaharmahal va Bakhtiari, Iran)
M. Naderi Khorasgani
- # 1806. Preliminary Investigation of Brazilian Infrassound Signals
T. Scherrer
- # 4704. Satellite Footprint-Scale Spatial Coherence of Sea Surface Salinity along a Latitudinal Transect in the Pacific Ocean
K. Seo
- # 5656. Planetary Boundary Layer Height estimates using the Atmospheric InfraRed Sounder
P. Soares
- # 2057. Long Period Evolution of the Thar Desert (India) and Comparison with East Africa
K. Veeraswamy
- # 4431. A new rapidly deployable wind profiler network for atmospheric research
J.J. Wang
- # 5124. CentNet-A deployable 100-station network for surface exchange research
J.J. Wang
- # 5125. GCOS Reference Upper Air Network (GRUAN): Progress and Plans
J.J. Wang
- # 2347. Cloud base heights by ground based sky IR brightness temperature measurements compared with Cloud radar and Ceilometer in Shouxian
W. Zhang

JM07 Atmospheres and ices on terrestrial planets
Organisers: IAMAS (ICPAE), IACS

- # 4243. The Mars Atmospheric Trace Molecule Occultation Spectrometer (MATMOS) on the Mars Trace Gas Orbiter
J. Drummond

- # 5802. Scale-dependent Infrared Radiative Damping Rates on Mars and Their Role in the Deposition of Gravity-wave Momentum Flux
S. Eckermann
- # 5106. A revised inventory, geographical distribution and fundamental properties of glacier-like forms (GLFs) on Mars
B. Hubbard
- # 5565. Venus superrotation simulated by an atmospheric general circulation model with a new radiative transfer parameterization
K. Ikeda
- # 2694. The effect of spectrally resolved irradiances during the Archean as modeled with EMAC-FUB
M. Kunze
- # 3338. Simulation of the CO₂ Ice Clouds and Wind Fields in the Mesosphere of Mars using a General Circulation Model
T. Kuroda

JM08 Predictability of the coupled climate system, climate system feedbacks and sensitivity to external forcing
Organisers: IAMAS (ICCL, ICDM), IAPSO , IACS

- # 4376. Mapping the Surface Temperature Variability and Trends from Observations, Reanalysis Systems and Model Simulations
N. Andronova
- # 3245. Carbon Emission Limits Required to Satisfy Future Representative Concentration Pathways of Greenhouse Gases
V. Arora
- # 900. An introduction to the coupled model FGOALS2-s
Q. Bao
- # 2359. Pacific Climate Change in the later half of the 1990s Predicted by MIROC
Y. Chikamoto
- # 2065. Influence of different convection parameterizations in an Atmosphere-Ocean coupled Model
L. Li
- # 5475. Future Weather Patterns in New Zealand Determined by Synoptic Classification Using Kidson Types
A. McDonald
- # 3373. Determining the Time of Emergence of Climate Change over Natural Variability at Regional Scales
L. Muir
- # 3662. Evaluating Decadal Climate Predictability in the Atlantic Sector with the IPSL Model
A. Persechino
- # 4268. A sea ice sensitivity study with the ACCESS/AusCOM model
P. Uotila
- # 5959. Impact of small water bodies representation on local atmospheric circulation in a regional climate model: a case study for Danube Delta
L. VELEA
- # 748. A Recent Approach Incorporating External Forces To Predict Nonstationary Processes
G. Wang

- # 2212. Understanding and Partitioning Simulated Future Climates for Australia using Ocean Warming Indices
I. Watterson
- # 3442. Quasi-quadrennial Coupling Between Moisture Circulation over East Asia and ENSO
L. Xiuzhen
- # 2712. Impact of observation-optimized model parameters on decadal predictions: simulation with a simple pycnocline prediction model
S. Zhang

JM11 From Ice-house to Green-house: Studies of Natural and Human-Induced Climate Change

Organisers: IAMAS (ICCL), IAPSO, IACS

- # 4775. Water Cycle Change in the Tropical Indo-Pacific During the Mid-Holocene: Investigations Using MIROC AOGCM, AGCM and OGCM
R. Ohgaito
- # 4910. Micro Climate Change, Geohazards and Livelihood Security in Western Hiamalaya
B.W. Pandey
- # 2163. Analysis of effects on outflow in Nakdong River for climate change
T. Shon

Friday 1 July 2011 IAMAS, IAGA

JM12/A06.4 Thunderstorms: from troposphere to mesosphere and beyond / Thunderstorms: Upwards and Downwards Coupling of the Atmospheric Layers and near-Earth Space

Organisers: IAMAS (ICAE), IAGA (Division II)

- # 3718. Gravity Waves Produced By Thunderstorms
E. Blanc
- # 512. Development and Validation of a VLF Propagation Model
A. Collier
- # 5311. A connection between thunderstorms and mid-latitude F-region ionosphere.
V. Kumar
- # 3545. Nowcasting Thunderstorm Activity in Europe
C. Price
- # 3588. Are There Really 2000 Thunderstorms Active at any Time?
C. Price
- # 4536. Distribution of Polarimetric Parameters in Precipitating Cells Formed a Thunderstorm Observed by X-band Multi-parameter Radar in Warm Season
T. Sano
- # 4878. Morphology of Sprites Observed Above Central Europe During Three Consecutive Summers
G. Satori
- # 5799. Lightning and Thunderstorms in Jupiter
Y. Takahashi

Friday 1 July 2011 IAPSO

P04 Thermohaline Circulation (THC) and Deep Currents

Organisers: IAPSO

- # 3949. Ventilation processes in the Ross Sea investigated with CFC data
G. Budillon
- # 5161. Towards the Ability of the Adjoint Method to recover a decadal AMOC Variability
L. Czeschel
- # 4383. The diffusive ocean conveyor
M. Holzer
- # 6009. High-resolution modelling of sea-ice and ocean dynamics in the Nordic Seas
D. Iovino
- # 2512. The oxygen-nitrate relationship in the world ocean
M. Ishizu
- # 5640. High-resolution modeling on the Antarctic Bottom Water formation
Y. Matsumura
- # 4035. Seismic Imaging, Modelling and Observation of the Wyville Thomson Ridge Dense Water Overflow
J. Polton
- # 5054. Geochemical Composition of the Deep-water Coral Flabellum as a Novel Proxy for Southern Ocean Water Mass Variability: Environmental Signals and the Role of Coral Physiology
M. Taviani
- # 5593. Incremental Banding and Geochemical Signatures in Antarctic Barnacles
M. Taviani
- # 4762. Cabbelling Effect on the Water Mass Transformation in the Southern Ocean
S. Urakawa
- # 1584. Intertropical convergence zone migration during Marine Isotope Stage 3
R. Zuraida

Friday 1 July 2011 IASPEI, IAVCEI

JS04/JV03 Physics and Chemistry of Earth Materials with Implications for Earth Structure and Processes

Organisers: IASPEI, IAVCEI

Co-Sponsors: IAGA, IAVCEI, IASPEI, SEDI

- # 5623. A Minor Variation of the Upper Mantle Processes in the Tertiary Japan Margin: Implications from the Petrology of the Nobi Beach Peridotite, the Circum-Izu Massif Peridotite in the Central Japan
N. Abe
- # 103. Heat flow Evolution of Sichuan Basin during Permian-Triassic
L. He
- # 5257. Some Aspects of the Behaviour of Calcite Rocks in Deformation Experiments
S. Mehrabian

- # 1392. Analysis of thermal pressure for geophysical minerals using phenomenological equations of state
K.S. Singh
- # 1907. Using seismic tomography and geodynamic models to understand global slab mass flux
T. Becker
- # 3293. The Influence Of Temperature, Grain Size And Partial Melting On Seismic Wave Speeds And Attenuation – Towards A Robust Laboratory-Based Model
I. Jackson
- # 2637. ScS Reverberation Study on the Mantle Layering beneath Japan Sea Region
M. Kato
- # 3389. Testing Absolute Plate Reference Frames with Coupled Plate Tectonic and Mantle Convection Models and Seismic Tomography
G. Shephard
- # 2262. A numerical model of three-dimensional mantle convection with long-lived continental lithosphere
M. Yoshida

- # 2118. Annual and seasonal atmospheric temperature trends over Antarctica for 2001-2008 derived from GPS radio occultation observations
Y. Kuleshov
- # 2119. Is the Antarctic atmosphere warming or cooling?
Y. Kuleshov
- # 5644. Seasonality of microseismic signal in Antarctica, and its link to sea ice.
A. Maggi
- # 5840. Polar seismic ups and downs: lessons learned from GLISN network data
M.M. Reusch
- # 3856. Long-Term Program of Absolute Gravity Measurements in Antarctica
Y. Rogister
- # 897. Advances in the Construction of the ASAIN Network
M. Russi
- # 4049. Plate tectonic constraints on the Lomonosov Ridge – North Greenland Shelf inferred from a new aeromagnetic grid compilation
A. Vestergaard

Friday 1 July 2011

IASPEI

JS07 Antarctic and Arctic Research

Organisers: IASPEI
Co-Sponsors: IACS, IAG, IAGA

- # 4292. The Greenland Ice Sheet Monitoring Network (GLISN)
K. Anderson
- # 4170. Physical Properties of Cores from a 26 m Deep Borehole Drilled in Livingston Island, Maritime Antarctica
A. Correia
- # 4138. Analysing subglacial landscape evolution and basal hydrology in the Gamburtsev Province of East Antarctica
F. Ferraccioli
- # 5389. ICEGRAV: New airborne geophysics in the Antarctic Peninsula and East Antarctica
R. Forsberg
- # 4340. Fine-Resolution Ku-band Altimeter for Airborne Measurements Over Ice Sheets and Sea Ice
P. Gogineni
- # 5172. Ultralow-frequency microtremor caused by oceanic wave through ocean-icecover region around Antarctica
H. Hayakawa
- # 4674. A fresh view on physical properties of Antarctic fast ice
P. Heil
- # 5071. Russian center for collecting and processing data from Arctic and Antarctic geophysical network
A. Janzhura
- # 4981. New aerogeophysical survey targets basal boundary conditions for the Institute and Möller ice streams
T. Jordan
- # 2125. On a Baroclinic Eddy with High Temperature Maximum and Low Potential Vorticity in the Western Canada Basin
Y. Kawaguchi

S05 Infrastructure for seismology (FDSN)

Organisers: IASPEI

- # 4326. The GSN Data Quality Initiative
K. Anderson
- # 3242. Pacific21, the geophysical network in Northwestern Pacific Ocean
S. Tsuboi
- # 2753. ORFEUS: Seismological waveform data archiving and access in Europe
T. Van Eck

S11 Earthquake forecasting and testing

Organisers: IASPEI

- # 699. Is the Nicoya Seismic Gap in Northern Costa Rica Overdue?
V. Gonzalez
- # 3428. Prospective and Retrospective Tests of an Earthquake Forecasting Model in Japan Based on P-Wave Velocity Anomalies
M. Imoto
- # 2178. Correlation between Coulomb Stress Changes Imparted by Large Historical Strike-Slip Earthquakes and Current Seismicity in Japan
T. Ishibe
- # 5103. Application of S-Transform of State Vectors for Earthquake Forecasting
S. Mehrabian
- # 1067. The Effect of Static Coulomb Stress Changes on Earthquake Occurrence in Southern California
A. Strader
- # 5335. Fractal Properties of Seismicity in Muzaffarabad Earthquake (2005), Region
J. Tripathi
- # 5336. Fractal approach for seismicity in Wenchuan Earthquake region, China
J. Tripathi
- # 3256. Report on prospective evaluation of the 3-month and 1-day CSEP-Japan earthquake forecasts
S. Yokoi

- # 2645. Investigation on the Possible Triggered Seismicity in the Peripheral Areas of the Ordos Block by the Wenchuan Earthquake
A. Zhu

S14 Plate Boundary Processes
Organisers: IASPEI

- # 3602. Subduction Structure of the Izu-Bonin Arc, Central Japan, and its Implications for the Seismic Activity
R. Arai
- # 4697. Crustal structure around the source area of the 1952 Tokachi-oki earthquake by an airgun-OBS seismic experiment at the Kuril Trench subduction zone
R. Azuma
- # 2541. Slab tearing in 3-D models of subduction and continental collision: Application to the Banda Sea
T. Becker
- # 4115. Seismicity of the Earth 1900-2010: The Australia Plate and Vicinity
K.P. Furlong
- # 700. Tectonic Segmentation of the Subduction Seismogenic Zone Along the Southern Terminus of the Middle American Trench
V. Gonzalez
- # 3271. A New View on the Space-Time Pattern of Great or Large Earthquakes in the Northern Japan to Southern Kurile Subduction Zones
T. Harada
- # 3781. Crustal structure of the Dead Sea basin from local earthquake tomography
R. Hofstetter
- # 3860. Active Tectonics of Tokyo Metropolitan Area
T. Ishiyama
- # 5242. Crustal structure of the Izu Collision zone, central Japan, revealed by dense seismic array observations
E. Kurashimo
- # 3392. Tectonic Fabric Map of the Ocean Basins
K. Matthews
- # 4122. Numerical models of Oblique Extensional and Compressional Deformation
L. Moresi
- # 4609. Geometry of the upper surface of Philippine Sea plate beneath Kanto, central Japan, revealed by seismic reflection profiling
H. Sato

- # 3483. Role of water in continental melting
P. Hasalova
- # 3981. Wave Velocity Measurements at 1 GPa up to 1000°C Using Ultrasonic Interferometry
B. Poe
- # 5738. Anelastic loss in spinel due to cation order-disorder
S. Redfern
- # 1340. Growth and Recrystallization of Diamond in the Upper Mantle
E. Rubanova
- # 1509. Process of percolation in rocks
I. Sidorova
- # 1393. Analysis of volume dependence of the Gruneisen parameter for the lower mantle and core of the earth
K.S. Singh
- # 5017. A geochemical and isotopic comparison between Pico and São Jorge islands, Azores
Z. França

Friday 1 July 2011

IASPEI, IAVCEI

JS04/JV03 Physics and Chemistry of Earth Materials with Implications for Earth Structure and Processes

Organisers: IASPEI, IAVCEI
Co-Sponsors: IAGA, IAVCEI, IASPEI, SEDI

- # 1548. Red Metagranites of the Gennargentu Igneous Complex: Evidence of SiO₂-K₂O-rich silicate melt re-mobilisation
A. Giuliani

Saturday 2 July 2011

IUGG

U021 Grand Challenges in Natural Hazards Research and Risk Analysis - Earth on the Edge - Recent Pacific Rim Disasters

Organisers: IUGG

- # 6020. Kamchatkian Subterranean Electric Operative Forerunners of Catastrophic Earthquake with M9, occurred close to Honshu Island 2011/03/11
V. Bobrovskiy
- # 6041. The ionospheric variability during the recent earthquakes on the Pacific Rim using Radio Occultation measurements: Is there a clear relationship?
B. Carter
- # 6021. Numerical modelling to assess the impact of recent tsunamis on groundwater quality and identification of remedial measures
L. Elango
- # 6044. Analysis of Korea Peninsular Displacements from Sendai-Oki Earthquake using Global Navigation Satellite System
J. Ha
- # 6035. ALOS/PALSAR Images of the 2011 Tohoku Earthquake (II): Deformation Associated with the Induced Activities
M. Hashimoto
- # 6055. The 2011 Tohoku earthquake slip distribution: joint inversion of GPS and ocean bottom pressure sensor data.
A. Hooper
- # 6051. Relation between the interplate coupling distribution before and the slip at the time of the 2011 East Japan Earthquake (Mw 9.0)
R. Ikuta
- # 6046. Tracing of travelling of stress-deformation waves after the Tohoku earthquake
P. Kalenda
- # 6047. Precursors of the Tohoku earthquake (M=9) – what was the trigger?
P. Kalenda
- # 6029. Strong Motion Characteristics of the Off Pacific Coast, Tohoku, Japan Earthquake of March 11, 2011 in Terms of the Damage Potential to Buildings
H. Kawase
- # 6036. Why March 2011 Tohoku earthquake, such a catastrophic event has been missed?
I. Kerimov
- # 6037. The Role of Aftershocks in Studying the Global Ecology State Changes
I. Kerimov
- # 6064. Flow regime transformations in the March 11, 2011 tsunami, Northern Honshu, Japan
S. Kieffer
- # 6025. 2011 Megathrust earthquake in Japan revealed existence of two types of great earthquakes
J. Koyama
- # 6022. Japan Seismic Catastrophe 11 of March 2011. Long-term prediction by microseismic noise properties.
A. Lyubushin

- # 6015. Co- and post-seismic deformation of the Mw9.0 2011 Off-Tohoku Earthquake and strain accumulation observed by GEONET
T. Nishimura
- # 6043. ALOS/PALSAR Images of the 2011 Tohoku Earthquake (I): Coseismic deformations and Tsunami affected area
T. Ozawa
- # 6023. Crustal Deformation Associated with the 2011 Off the Pacific Coast of Tohoku Earthquake (M9.0)
T. Sagiya
- # 6057. 2011 Mw 9.0 Sendai-Oki Earthquake Coseismic Deformation and Tsunami Observed by Space Geodetic Sensors
C. Shum
- # 6061. Strong Distortion of Extra-Terrestrial Magnetic Fields Prior to Major Earthquakes
R. Singh
- # 6045. Error Analysis of Different GPS Global TEC Model and Study of TEC Response to Earthquakes
X. Wang
- # 6053. 2010 Mw 8.8 Great Maule Earthquake Coseismic Slip Constrained by GRACE
L. Wang
- # 6059. Possible effects of the 2011 Tohoku earthquake on activity at Shinmoe-dake volcano, southwest Japan: Insights from strain data measured in vaults
K. Yamazaki

Saturday 2 July 2011

IACS

JC01 Arctic System Modelling

Organisers: IACS

Co-Sponsors: IAMAS, IAPSO

- # 828. A simplified and general soil-snow model for cold region study
Q. Li
- # 844. New mathematical approach to permafrost methane emission modelling
I. Sudakov

Saturday 2 July 2011

IACS

JC04 Ice Shelves and Glacier Tongues – Ice on the Edge

Organisers: IACS

Co-Sponsors: IAPSO

- # 2980. Antarctic Warming Event Derived by Satellite Microwave Observation and AWS Data over East Antarctica
H. Enomoto
- # 5733. Modeling the flow of ice on different levels of approximation by using a nesting approach
T. Kleiner
T. Kleiner
- # 5543. Characteristics of the Darwin-Hatherton Glacial System Grounding Zone, Antarctica
W. Rack

- # 3150. Vertical and Horizontal Structure of Fimbul Ice Shelf Revealed by a Ground Based FMCW Radar
A. Sinisalo
- # 4555. Long-term freshening of AdÃ©lie Depresssion Dense Shelf Water
T. Tamura

- # 4765. Simulating GPS Radio Occultation using 3-D ray tracing
R. Norman
- # 4766. Comparing GPS Radio Occultation observations with Radiosonde measurements in the Australian region
R. Norman

Saturday 2 July 2011 IAG

JG01 Space Geodesy-based Atmospheric Remote Sensing as a Synergistic Link between Geodesy and Meteorology

Organisers: IAG
Co-Sponsors: IAMAS

- # 791. Remote sensing of the Australian tropopause by GNSS
J. Awange
- # 4967. Benchmarking Campaign for Ray-traced Tropospheric Delays
J. Boehm
- # 3516. Usage of Troposphere Model Estimated by Mesoscale Numerical Weather Model for GNSS Processing
J. Bogusz
- # 1299. Water vapour estimation using three different techniques for the South American region and their comparisons
A. Calori
- # 2722. Fusion of InSAR and GNSS observations for the determination of atmospheric water vapour
T. Fuhrmann
- # 3300. GPS climatology with GEONET: Long term behaviors of atmospheric delays and bias in their gradients reflecting the tilt of geoid
K. Heki
- # 3792. Verification On The Perceptible Water Vapor Of GPS Satellite Signals
W. Hung
- # 4010. Data assimilation of ground-based GPS precipitable water vapor to mesoscale numerical weather prediction model and its impact on ray-traced atmospheric total slant delays for GNSS positioning
R. Ichikawa
- # 4106. GPS Based and Meteorological IPW Data Sets – Conformity and Quality Assessment
M. Kruczyk
- # 4107. GNSS IPW as a Geophysical Tool: Climate Indicator and Meteorological Parameter
M. Kruczyk
- # 4790. Assessing the effects of rainfall events on GPS Radio Occultation Signals: A case study of Victoria
Y. Li
- # 5021. Preliminary integrated solutions of troposphere tomography using both ground-based and space-borne satellite systems
T. Manning
- # 5694. GPS Meteorology: Derivation of Mean Temperature for Peninsular Malaysia
T.A. Musa

- # 1384. Application of the eikonal acceleration/intensity technique to study radio-meteorological characteristics of the atmosphere by use of GPS occultation data
A. Pavelyev
- # 5483. An Accuracy Analysis of the Troposphere Models Applied for Water Vapour Estimations Based on Radiosounding Data
S. Rozsa
- # 5484. Near-real Time Estimation of Integrated Water Vapour from GNSS Observations in Hungary
S. Rozsa
- # 5474. Grid based Ionosphere modelling based on Iranian Permanent GPS Network (IPGN)
H. Sahabi
- # 3252. Deriving Accurate Atmospheric Mass Density from Precision Position Information of Space Objects
J. Sang
- # 5064. Evaluation of Asymmetric Tropospheric Delay Models by Ray-tracing Through Numerical Weather Models
M. Santos
- # 5186. Report from Sub-Commission 4.3: Remote Sensing and Modelling of the Atmosphere
M. Santos
- # 1110. Quantification of attitude error in GPS orbit determination of FORMOSAT-3/COSMIC satellites
T. Tseng
- # 1886. Determination of Atmospheric Turbulence Using Dedicated GPS-networks and Ultra-stable Frequency Standards
M. Vennebusch
- # 5195. GNSS Radio Occultation observations and their numerical inversion to retrieve atmospheric profiles
F. Vespe
- # 5786. Regional near Real-Time Tropospheric Delay Processing and Assimilation into Weather Forecast and Nowcast Models
R. Weber
- # 5261. CGCS 2000--the New Generation of the Geodetic Coordinate System of China
Z. Wei

JA01 Fluids in the crust and mantle: Geodynamic and seismological consequences - geophysical and geological constraints

Organisers: IAGA, IAG

- # 3468. An electrical conductivity network model within the hydrous rock and mineral
K. Fuji-Ta

- # 3108. Investigation of Resistivity Structure beneath the Eastern Marmara Sea by 2D Modeling of OBEM data
Y. Ogawa
- # 4750. Resistivity imaging by Magnetotelluric method in Ishikari-teichi-toen fault zone
Y. Yamaya
- # 5268. Imaging Heterogeneous Electrical Resistivity Structures Around the 2007 Noto Hanto Earthquake
R. Yoshimura

JA05 **Data rescue, digitisation and metadata requirements in geophysics**

Organisers: IAGA and IASPEI

- # 5780. Metadata in geomagnetism: experiences at the World Data Centre for Geomagnetism, Edinburgh
E. Clarke
- # 5677. Recognition and digitization of scanned magnetogram images
A. Soloviev
- # 3162. ISC: Processing Historical Seismic Station Bulletins (1900-1970)
D. Storchak

A011 **Planetary Magnetic Fields and Geomagnetic Secular Variation - Main field and Secular Variation: Observation, Modelling, and Mechanisms**

Organisers: IAGA Div I and Div V

- # 4874. An Improved Sedimentary Database for the Reconstruction of the Holocene Geomagnetic Field
M. Brown
- # 3380. The Error Of IGRF11 In China And China Geomagnetic Reference Field On 2010.0 Epoch
B. Chen
- # 629. The analysis of geomagnetic anomaly field of Chinese mainland and its adjacent areas during 1960~2000
Y. Feng
- # 1980. The 2007 Geomagnetic Jerk: A Southern African Perspective
P. Kotze
- # 5669. Model of Earth's magnetic field and its variation for the last decades
V. Lesur
- # 5676. Radial vorticity constraint in the core flow modeling
V. Lesur
- # 1002. Research of Geomagnetic Field Horizontal Gradients in China
F. Mao
- # 1815. Long Periods (1.0 – 10mHz) Geomagnetic Pulsations with Solar Cycle in the South Atlantic Magnetic Anomaly Region
J.P. Marchezi
- # 2771. Analysis of holocene lake sediment magnetic records: Evidence for periodicities and error estimates for field modelling
S. Panovska

- # 2003. Regional Orthogonal Model of Geomagnetic Secular Variation in the Europe for 1980-2009
L. Sidorova
- # 1258. Geomagnetic jerks, dynamics of recent geomagnetic field and concurrent helio-geophysical phenomena
A. Simonyan
- # 5657. The geomagnetic field for the interval 1590-2010 and its sources in the Earth's core
S. Starchenko
- # 3005. A review of the archaeomagnetic database of R.L. DuBois
R. Sternberg
- # 630. The research of geomagnetic internal field variation of Chinese mainland and adjacent areas during 1960~2000
H. Sun
- # 2761. The axial dipole strength and flow in the outer core
K. Whaler

A012 **Planetary Magnetic Fields and Geomagnetic Secular Variation - Planetary magnetic fields**

Organisers: IAGA Div I

- # 4961. Is the crust of Mars continuously magnetized?
J. Arkani-hamed
- # 5768. Ekman-Hartmann Layer at Anisotropic Viscosity
J. Brestensky
- # 1576. Buoyancy profiles for Earth's core incorporating chemical stratification beneath the core-mantle boundary
C. Davies
- # 3680. Effects of Magnetic Buoyancy on MHD Stability in Planetary Cores
D. Ivers
- # 2185. Hydromagnetic Dynamos in Rotating Non-Uniformly Stratified Spherical Fluid Shells in Dependence on the Rayleigh Number
J. Simkanin
- # 4893. Critical Stability of Convection in the Terrestrial Planets
S. Starchenko
- # 1338. The model of the geodynamo coordinated with the data about the density distribution
G. Vodinchar
- # 1339. The model of action of tidal waves O1 and M1 on geomagnetic field
G. Vodinchar

A013 **Planetary Magnetic Fields and Geomagnetic Secular Variation - Numerical simulations and observations: Looking back and predicting the future**

Organisers: IAGA Div I

- # 1297. Contribution of Solar Variability to Annual Mean Geomagnetic Field at a Low Latitude Observatory
A. Bhattacharyya

- # 4879. The Secular Variation Timescale and its Application to Rescale the Time Axis of Dynamo Simulations
G. Hulot
- # 4880. Earth's Dynamo Limit of Predictability: the Key Role of Magnetic Dissipation
G. Hulot
- # 1573. Validation of Multidimensional Generalized Coupled Markov Chain Model
E. Park

A101 The Sun and the Heliosphere: New Views - New Views of the Sun, the Interplanetary Medium, and Outer Heliosphere

Organisers: IAGA Div. IV

- # 4131. New insights into the sun's photosphere dynamics offered by new solar telescope of BBSO
V. Abramenko
- # 5450. Waves in the polar corona as seen by AIA/SDO
D. Banerjee
- # 1465. Magnetic Field Effects on Wave Propagation in the Solar Atmosphere from SOT-Hinode Data
A.C. Cadavid

Saturday 2 July 2011

IAMAS

JM01 Geoengineering: Can it limit climate change and its impacts?

Organisers: IAMAS (ICCL), IAVCEI

- # 3777. Response of precipitation over land to solar forcing and CO2 forcing
M. Abe
- # 5951. The Interplay of Anthropogenic Aerosol Emission Scenarios and Stratospheric Aerosol Reengineering Scenarios
J. Blackstock
- # 5212. Mineral CO2 Sequestration Experiments on Hawaiian Picritic Basalts
K. Johnson
- # 1409. A Machine To Capture Aerosols and Particulates From The Atmosphere (With out Consuming It's Adsorbing Material for Months)
A. Sahu
- # 3494. Volcanic Signals into the Ocean Under Global Warming
T. Sakamoto
- # 1244. Estimation Of Forest Tree Biomass And Carbon Stock Using Geoinformation Technology
J. Subin
- # 1162. Micro scale model of fluid flow in a pressurized clastic sandstone-its visualization and quantification
M. Takahashi

JM02 Data assimilation and ensemble forecasting for weather and climate

Organisers: IAMAS (ICDM, ICMA), IAPSO, IAHS, IAGA, IACS

- # 5579. Pixel-Wise Surface Water Balance Computation
R. Ahlawat
- # 1415. Effects of Blocking on the Characteristics of the Mediterranean Cyclones
F. Ahmadi-Givi
- # 4500. Accounting for non-linearity with an ensemble outer-loop
C. Bishop
- # 2006. An Operational Automated Sea Ice Analysis System for North American Waters
T. Carrieres
- # 820. Operational assimilation of satellite derived soil moisture at the Met Office
I. Dharsai
- # 4659. A Dynamical Performance-ranking Method for Predicting Individual Ensemble Members' Performance and Its Application to Ensemble Averaging
J. Du
- # 1859. An Overview of the International HEPEx Hydrologic Post-processing and Verification Experiments
Q. Duan
- # 3871. WMO GURME Pilot Project on Near-real Time Data Application in AQ Forecasts
S. Gong
- # 1463. Importance of the initial and boundary conditions for WRF model
B. Lamash
- # 1464. Investigation of the temperature regime on the Kamchatka Peninsula
B. Lamash
- # 843. Real-time flood forecasting based on ensemble rainfall prediction in Shihmen Reservoir watershed
Y. Liao
- # 3251. Intra-seasonal Prediction of Remote Drivers of Australian Climate Variability using POAMA
A. Marshall
- # 5744. Use of inflow forecasts in reservoir operations
E.S. Martins
- # 1898. CLIMSOIL - GIS data base and methodology for estimating impacts of climate change on soil temperatures and related risks for Austrian agriculture
E. Murer
- # 4800. An Inter-comparison of Observation System Experiments for Stratospheric Ozone between LETKF Data Assimilation Systems with CCSR/NIES CCM, MRI CCM, and CHASER CCM
T. Nakamura
- # 4862. Massively parallel particle filter and a grouping strategy
S. Nakano
- # 3459. ACCESS Global and Regional Ensemble Prediction System
M. Naughton

- # 4094. Boundary-Layer Parameter Estimation Using the Ensemble Kalman Filter
J. Nielsen-Gammon
- # 4634. Statistical Downscaling of GFDL-R30 in the area of Thailand
J. Santisirisomboon
- # 1324. Assimilation Test and Analysis of the GPS Data from the Eastern Margin of Tibetan Plateau in the Rainstorm Simulation
J. Sun
- # 1410. Short Range Temperature Forecast Verification of WRF Model over Iran
F. Taghavi
- # 5453. Recent Developments in Satellite Data Assimilation in the Bureau of Meteorology'S ACCESS NWP Suite
C. Tingwell
- # 4432. On-line estimation of the observation error covariance matrix for ensemble-based filters
G. Ueno
- # 959. A Raman Lidar as Operational Tool for Long-Term Water Vapor, and Temperature Profiling in the Swiss Meteorological Office
H. Van Den Bergh
- # 5653. A Regional Ensemble Kalman Filter Data Assimilation System for FAA application
X. Wang
- # 5660. Toward optimal design of storm-scale ensemble: object-oriented hierarchical cluster analysis of a convection-allowing ensemble during the Hazardous Weather Testbed 2009 Spring Experiment
X. Wang
- # 2629. Optimal Precursors for ENSO Events in the Zebiak-Cane Model
H. Xu
- # 3421. Coupled Ensemble Initialisation for a New Intraseasonal Forecast System Using POAMA at the Bureau of Meteorology
Y. Yin
- # 641. An assimilation analysis of the SST balances in the surface mixed layer over the equatorial Pacific Ocean
D. Yuan
-
- JM06 High-impact weather and extreme climate events**
Organisers: IAMAS (ICCL, ICDM), IAHS
-
- # 4696. Severe Wind Hazard using Climate-simulated Wind Speeds
C. Arthur
- # 226. Scales and impacts of a heavy rainfall using spatial extremes estimation
Z. Bargaoui
- # 5722. How Wet and Dry Climatic Conditions Are Likely to Change in Central/Eastern Europe?
J. Bartholy
- # 1446. Dust Storm Risk Reduction over Iran Challenges and Approaches
J. Bodaghjamali
- # 5913. Wind Burst Oscillations Affect Avalanche Cycles
M.M. Brugman
- # 4037. The effect of a midlevel potential vorticity anomaly on the circulation about a cold front
J. Chagnon
- # 714. Criteria for Heat and Cold Wave Duration Indexes
M. Curic
- # 1306. Interannual and Intraseasonal variability of precipitation over South America as simulated by high-resolution global coupled models.
M. Custodio
- # 5003. Analysis of daily rainfall variability over South America simulated by RegCM3: 1989-2005 climatology derived from ERA-Interim
R. Da Rocha
- # 3803. Observed Climate Variability In Extreme Wind Waves Over The Global Ocean During The Last 130 Years (1880-2009)
S. Gulev
- # 5264. Does validation bias in RegCM3 affect the climate change signal on extremes
T. Halenka
- # 616. Drought quantitative analysis using a new numerical taxonomy model
S. Hejjam
- # 5279. Study of drought proneness using Markov chain
S. Hejjam
- # 1472. Exploring links between trends and multidecadal variability in average rainfall and rainfall extremes
D. Jakob
- # 2670. Climate track in river flooding in Europe
Z. Kundzewicz
- # 1868. Drought and record high temperatures in southeast Australia
N. Nicholls
- # 3947. A Downscale Experiment on the Heavy Precipitation during the Jakarta Flood Event in January-February 2007
S. Otsuka
- # 5731. Analysis of Simulated Trends of Regional Heat Wave Occurrence in Central/Eastern Europe
R. Pongracz
- # 1277. The planet Earth as a vibrator, resonator and synchronizer of extreme events
N. Shapovalova
- # 1278. Causes of anomalous hot summers
N. Shapovalova
- # 1971. The representation of the Southern Hemisphere "Semiannual Oscillation"™ in the ERA-Interim reanalysis
I. Simmonds
- # 2576. Nonlinear relationship between climate variability and arctic oscillation over North America and East Asia
H. Son
- # 5485. the Southeast Asian Climate Assessment & Dataset project
G. Van Der Schrier
- # 5486. Changes in daily temperature and precipitation extremes in Southeast Asia.
G. Van Der Schrier
- # 2635. Connection between asymmetry of monthly mean summer temperature and strongest heat waves: Present day climate and future changes
E. Volodin

- # 1391. Decadal variation of Arctic Oscillations and their different climatic impacts in winter
Z. Xie
- # 1621. Impacts of the sea surface temperature of the inner bay on the local climate using a regional atmospheric model
T. Yoshikane
- # 2309. Anthropogenic Influence on Long Return Period Daily Temperature Extremes at Regional Scales
X. Zhang
- # 3360. Study on Anomalous Activities of Asian Summer Monsoon and the Relatedness with Extreme Climate Events in 2010
B. Zhou

M02 Chemistry-climate interactions
Organisers: IAMAS (ICMA, ICACGP, ICCL, IOC, IRC)

- # 3547. Investigating Biological Sources Of Iodine Emissions In The Sea Ice Zone
H. Atkinson
- # 3340. Modelling stratospheric ozone chemistry impacts on Southern Hemisphere circulation
R. Dargaville
- # 2594. Impacts of increases in greenhouse gases and ozone recovery on lower stratospheric circulation through 21st century: Comparison with fixed-halogen and -climate simulations
M. Deushi
- # 1527. Tropical Australian aerosol and cloud condensation nuclei (CCN)
R. Fedele
- # 5705. The Evolution of Stratospheric Ozone in Sensitivity Studies with the Chemistry-Climate-Model EMAC-FUB
U. Langematz
- # 5184. Imaging Fabry-Perot Interferometer for Tropospheric Pollution Monitoring
A. Larar
- # 4411. On The Use Of In Situ Chemical Tracer Measurements in Diagnosing Chemistry Climate Models
L. Pan
- # 3741. Comparison Between Ground-Based And Satellite H₂O Measurements At Observatoire De Haute Provence In France
A. Sarkissian
- # 4945. 3-D tomographic reconstruction of atmospheric volumes in the UTLS from infrared limb-imager measurements
J. Ungermann

Saturday 2 July 2011 IAPSO

JP03 Global and regional sea-level change
Organisers: IAPSO
Co-Sponsors: IACS, IAG

- # 1356. New efforts on monitoring of inland waters by satellite altimetry
A. Ardalan
- # 4142. Sea level trends around Indonesia From altimetry and tide gauge data

- # 4346. Global Inundation Maps for Sea-Level Rise Increases Between One and Six Meters
D. Braaten
- # 1471. Variations in the dynamic sea surface topography at the Southwest Pacific Ocean and Tasman Sea
R. Cunderlik
- # 4700. Sea level changes from altimetry and tide gauges in the south-eastern Australian coastal region
X. Deng
- # 5196. Greenland Ice Sheet Model Intercomparison Experiment for ice2sea
T. Edwards
- # 5197. Ice2sea - the Future Glacial Contribution to Sea-Level Rise
T. Edwards
- # 3612. The Permanent Service for Mean Sea Level in the 21st Century
S. Holgate
- # 2805. Ensemble ice and sea-level change projections with the Earth system model of intermediate complexity LOVECLIM
P. Huybrechts
- # 1113. Caribbean Sea Level Variability
L. Jackson
- # 4281. Isostatic Uplift, Sea-level Fingerprinting, and Projections of Sea-level Change
T. James
- # 2182. Global Mean Sea Level Change over 1993 - 2010 from Multi-altimetric Measurements
T. Jin
- # 5402. Pacific Sea Level Variability Simulated in a Global Ocean Circulation Model
H. Kang
- # 2458. Tracing the Upper Ocean's 'Missing Heat'
C. Katsman
- # 656. New concept of influence of glaciers runoff to the Ocean level
V. Konovalov
- # 1300. Caspian sea level change and coastal dynamics of the Cheleken peninsula
R. Kurbanov
- # 1791. Interannual Trends in Southern Ocean Sea Surface Temperatures and Sea Level Based on Remote Sensing Data
S. Lebedev
- # 5133. Early and Recent Sea Level Measurements in the Brazilian Coast
A.R.D. Mesquita
- # 1988. Decomposition of Sea Level Rise in the Southern North Sea
H. Moser
- # 78. Sea Surface Dynamics in the Gulf of Thailand and South China Sea using altimetry data
S. Niemiil
- # 726. Sea level rise in southeast united states
J. O'Brien

- # 4856. Inference of sea level history from analysis of selected Holocene sand beach ridge traverses: a

test of profile selection from comparison of multiple detailed profiles.

J. Peterson

- # 5492. Decadal variability of sea level in the Mediterranean Sea in connection with local climate and large-scale climate indicators.
F. Raicich
- # 1941. Non parametric estimation of the sea state bias in Jason-1 measurements and their effect on Mediterranean mean sea surface height
A. Rami
- # 3749. Response Of Greenland Ice Sheet To Global Warming Simulated By A High-Resolution Ice Sheet Model
F. Saito
- # 3579. Long-Term Regional Sea Level Change Due To The Changes In Water Mass Quality For The Period 1995-2005
T. Suzuki
- # 3218. Analysis of the Sea Level Changes in New Zealand
R. Tenzer
- # 5507. Mean sea surface and geoid models in the Aegean Sea
I. Tziavos
- # 3867. COASTALT: Coastal Altimetry Contributes to Regional Sea Level Monitoring
P. Woodworth
- # 2357. Regional sea-level change projection in the tropical Pacific under global warming
X. Zhang

P05 New insights from Sustained Ocean Observing Systems

Organisers: IAPSO

- # 1214. Indonesian Throughflow Eddies and Heat Fluxes into the Tropical Indian Ocean: Comparison of Satellite and In-Situ Data with Model Output
A. Delman
- # 1645. RAPID 26N: towards a Decade-Long Time Series of Observations of the Meridional Overturning Circulation
E. Frajka-Williams
- # 2790. The autonomous expendable instrument system (AXIS)
D. Fratantoni
- # 5040. Variations in the Tsushima Warm Current through the Tsushima Straits from 10 Years of ADCP Observations
K. Fukudome
- # 5757. Utilization of coastal radars for monitoring sea ice drift and deformations
J. Haapala
- # 4404. Australia's Integrated Marine Observing System (IMOS) - meeting the needs of the marine and climate research community
K. Hill

- # 4669. Characteristics of summer shallow mixed layer development in the North Western Pacific Ocean

using Gridded Argo Mixed layer Depth Dataset (MILA GPV)

S. Hosoda

- # 4882. Coastal Sea Surface Height Monitoring in the Tsushima Strait
K. Ichikawa
- # 3779. Assimilation of Glider Data in the Solomon Sea: An Observing System Simulation Experiment
A. Melet
- # 5919. Topografically induced internal waves in the Northeast Atlantic Ocean
V. Melnikov
- # 1996. Evolving Methodologies in a Coastal Observatory
M. Palmer
- # 2505. A contribution to the Mediterranean Sea water and heat budget definition: links between the Tyrrhenian and the Ligurian Seas
S. Sparnocchia
- # 884. An Application of Self-Organising Maps Method in Recent Adriatic Environmental Studies and Its Perspectives
I. Vilibic
- # 5610. Argo Accuracy: Float-Float and Float-Ship Comparisons in the NZ Regional Ocean
M. Walkington
- # 5031. Recent Findings from an Intensive Ocean Monitoring System in the Tsushima Strait
Y. Yoshikawa

Saturday 2 July 2011

IASPEI

JS03 Scientific Results from Seafloor Networks

Organisers: IASPEI

Co-Sponsors: IAPSO and IAGA; An ION Proposal

- # 5166. Submarine landslide-induced tsunami recorded by ocean-bottom pressure gauges during an earthquake on 11 August 2009 in Suruga Bay, Japan
T. Baba
- # 5984. Lithospheric structure of the Ionian plate from INGV OBS receiver function analysis.
G. D'anna
- # 5548. Long-term monitoring of gas seepage at the submarine North Anatolian Fault (Marmara Sea, Turkey)
P. Favali
- # 5601. EMSO: European Multidisciplinary Seafloor Observatory
P. Favali
- # 5605. Tsunami Detector Prototype for Near-shore Generation Areas Tested in Stand-alone and in Cabled Seafloor Observatories
P. Favali
- # 5613. Experiment in Antarctica with MABEL Seafloor Multidisciplinary Observatory
P. Favali
- # 2903. Seismic Properties of a South Korean Navy Vessel Sinking and North Korean Nuclear Explosions
T. Hong
- # 3192. Very Broadband Seismic Record and Tide Variation on the Pacific Islands

- Y. Ishihara**
 # 5404. Natural Hazards Mapping of the Great Lakes with Ocean Bottom Seismographs
Y. Kontar
 # 5491. Modeling of seismic wave propagation for ocean-floor data observed with the DONET system
T. Nakamura
 # 2142. Australian Bathymetry Data Status and Future
M. Spinoccia

Saturday 2 July 2011 IAVCEI , IASPEI

JV12/JS08 Volcano Seismology

Organisers: IAVCEI , IASPEI

Co-Sponsors: IASPEI

- # 3558. Earth Mud Volcano Seismo-geodynamics
O. Babazade
 # 3692. The New Geophysical Observatory in Northern Caucasus (Elbrus Volcanic Area) and Results of Analysis of Multi-parameter Streams of Experimental Data
V. Kovalevskiy
 # 2270. Ocean noise triggering of rhythmic long period events at Deception Island volcano
D. Stich
 # 5878. Volcanic tremor triggered by shockwaves
K.S. Vogfjord

Saturday 2 July 2011 IASPEI

S08 Seismic Hazard and Risk - The Global Earthquake Model

Organisers: IASPEI

- # 2856. Are different ground motion prediction equations required for the Appalachians of eastern North America?
J. Adams
 # 3541. Experience Of Dynamic Longterm Risk Of Seismic Danger For Caucasus And Near East Region
O. Babazade
 # 3467. Improved Earthquake Hazard Assessment for Indonesia
P. Cummins
 # 5547. Seismic hazard of Po River levees
R. Daminelli
 # 120. Estimation of Site response parameters for Kochi City India - Seismic Microzonation
D. Shanker
 # 955. Global Instrumental Seismic Catalog. I Early Instrumental Period: 1900-1963
A. Villasenor
 # 1724. Regression Relationships for Conversion of Body and Surface Wave Magnitudes to Moment Magnitude for India and Adjoining Region
H. Wason
 # 1069. Relationships Between Earthquakes and Mapped Faults
D. Weiser

S10 Physics of the seismic process: from laboratory studies to field observations

Organisers: IASPEI

- # 845. Evaluation Of Seismicity In The Western And Central Himalayas
U. Ghosh
 # 5339. Using Elastic Wave Modelling to learn more about the M5.4 Alum Rock Earthquake of 2007
M. Hildyard
 # 4615. Extended Boundary Integral Equation Method (XBIEM) for Rupture Analysis Interacting with Medium Interface
N. Kame
 # 3521. Triggering Processes Of Seismicity And Changes In Crack Shape During The Water Penetration Into A Stressed Rock
K. Masuda
 # 5252. Co-seismic Processes in the Area of the Sumatra December 2004 and March 2005 Earthquakes Revealed by GRACE and GPS Data
V. Mikhaylov
 # 4688. Stress Field in Heterogeneous Crustal Structure and the Rupture Process
T. Miyatake
 # 2429. Depth-recursive Tomography Reveals the Focal Zones of West Bohemia Earthquake Swarms and their Sealing Caps as Distinct Low and High-velocity Anomalies
M. Novotny
 # 5434. Modelling of geoacoustic emission's zones and dilatancy of rocks
A. Perezhugin
 # 2424. Properties Of Seismic Swarm Dynamics
A. Ponomarev
 # 2217. Computational Aspects of Earthquake Simulations
J. Rundle
 # 1568. Long-time behavior of strong earthquake source zone in the Central Caucasus
R. Vakarchuk
 # 3144. Risk Analysis of Deterioration of the Health State of People Who Have Undergone Earthquakes
S. Bayda
 # 3107. CERG-C: a multidisciplinary in-person training on the assessment and management of geological and climate related risk
C. Bonadonna

S17/S18 Earthquakes and public health / Using NMSOP and other educational modules and tools for online and in-person training courses

Organisers: IASPEI

- # 2154. A National Seismometers in Schools project in Australia
M. Sambridge
 # 5376. The IASPEI Standard Seismic Phase List
J. Schweitzer

- # 3674. Marine Seismic Observation in the IASPEI New Manual of Seismological Observatory Practice (NMSOP_2)
M. Shinohara

Saturday 2 July 2011

IAVCEI

JV02 Forecasting and Monitoring Volcanic Eruptions

Organisers: IAVCEI
Co-Sponsors: IASPEI, IAG, IAGA

- # 2406. Monitoring volcanoes by Self-Organizing Map (SOM) analysis
R. Carniel
- # 4853. Ground deformation and gravity monitoring during the 1993-2000 recharging of Mt. Etna: evidences of magma storage, upraise and flank instability
G. Currenti

JV02 Forecasting and Monitoring Volcanic Eruptions

Organisers: IAVCEI
Co-Sponsors: IASPEI, IAG, IAGA

- # 3660. Magma Dike Intrusion Simulation By Discrete Element Method
E. Fujita
- # 5922. Monitoring of Thermal and Hydrothermal Activity of Santa Ana Volcano post-2005 Eruption
E. Gallant
- # 3638. Seismic evidence of volcanic unrest in Tenerife Island
A. Garcia
- # 3079. Enhancement of Monitoring System of Volcanoes in Java and Sumatra, Indonesia under JST-JICA Project
M. Iguchi
- # 3080. Increase in Volcanic Activity under Open Conduit System at Sakurajima Volcano in Japan
M. Iguchi
- # 3037. Formation of a Zoned Magma Chamber and its Temporal Evolution during the Historic Eruptive Activity of Tarumai Volcano, Japan: Petrological Implication for a Long Term Eruption Prediction for an Active Volcano
M. Nakagawa
- # 2404. Interaction Between Hydrothermal Systems and Ascending Magma Beneath Chokai Volcano, Japan, During the Last 3,000 Years: Implication from Characterization of Volcanic Ash
T. Ohba
- # 3766. Relation between Regional Tectonic Earthquakes and Volcanic Activity in Canary Islands and Forecasting Implications
R. Ortiz
- # 5587. Low-frequency earthquakes at Kizimen volcano, Kamchatka: 2010-2011 explosive eruption
V. Saltykov
- # 4911. Continuous monitoring of Sakurajima and Kirishima volcanoes by means of RADARSAT-2
H. Sasaki

- # 3014. Long-term Sustainability of a Hot Crater Lake: Insights from Numerical Simulations
A. Terada
- # 5898. Magma movements at Eyjafjallajökull 2009-2010 tracked with high-precision earthquake locations
K.S. Vogfjord
- # 1193. Seismic Precursors to Eruptions at Volcanoes in Extensional Stress Fields
R. Wall
- # 920. Robust Estimation for the Weibull Process Applied to Eruption Records
T. Wang
- # 1595. The Use of Analogues in Volcanic Eruption Forecasting.
A. Winson
- # 3240. Prior Processes of Outburst of a Vulcanian Eruption
A. Yokoo

JV05 Using Geodesy on Volcanoes to Understand Volcanic, Tectonic, and Hydrothermal Forces

Organisers: IAVCEI
Co-Sponsors: IAG

- # 4333. Geodesy on Concepcion volcano (Nicaragua)
M. Berrocso
- # 4334. The spatial inclinometer and spatial dilatometer and its application to study the deformation of Deception volcano (Antarctica)
M. Berrocso
- # 2598. Instantaneous and localized temperature changes in atmosphere associated with the Icelandic eruption in April 2010 observed by GPS radio occultation
K. Heki
- # 5835. Inflation and Deflation of the Krísvík Geothermal Area, SW Iceland, from 2009 to Present
S. Hreinsdottir
- # 2482. Ground-tilt and Self-potential Transients Associated with Geyser Eruptions: Implications for Volcano Deformation Monitoring
S. Hurwitz
- # 4529. InSAR and tilt constraints on Kilauea volcano deflation-inflation event source models
P. Lundgren
- # 4414. Crustal Deformation of Miyake-jima Volcano Detected by New InSAR Time-Series Analysis
T. Ozawa
- # 3775. A Combination of InSAR and Soil Gas Measurements for Determining the Background Behaviour of the Quiescent Santorini Volcano
M. Parks
- # 4540. Continuous Gravity Measurements at Kilauea Volcano, Hawai'i, Associated with Summit Eruptive Activity
M. Poland

JV08 Remote Sensing of Volcanic Hazards and the Risk to Global Aviation
 Organisers: IAVCEI
 Co-Sponsors: IAMAS

- # 4044. Rapid response during a volcanic crisis with the autonomous volcano sensor web (VSW)
A. Davies
- # 3890. Recent Volcanic Ash in Costa Rica. Intermittent but Damaging.
E. Duarte
- # 5784. Detection rate of volcanic eruption cloud by using C-band weather radar
K. Fukui
- # 5301. 2011 Eruption of Kirishima Volcano (Shinmoe Peak), Japan, Observed by ALOS
Y. Miyagi
- # 3883. Volcanic Plume-Top Altitudes during the Eyjafjallajökull 2010 Eruption
M. Roberts
- # 3827. The Impacts of Volcanic Ash Fall on Critical Infrastructure Systems
V. Sword-Daniels
- # 5908. Resuspension of Volcanic Ash in South Iceland After the Eruption of Eyjafjallajökull Volcano 2010
K.S. Vogfjord

Saturday 2 July 2011 IAVCEI , IASPEI

JV12/JS08 Volcano Seismology
 Organisers: IAVCEI , IASPEI
 Co-Sponsors: IASPEI

- # 3892. Changes in the Seismic Activity of Yasur Volcano (Vanuatu) Induced by a M=7.3 Earthquake as Seen by Coda Wave Interferometry
J. Battaglia
- # 4571. Crustal Velocity Structure under Mt. Sinabung, North Sumatra, Indonesia, Inferred from Receiver Function Analysis
D. Hidayat
- # 4831. Stress field during dyke intrusion stage in Miyake Volcano 2000 eruption
Y. Kohno
- # 4154. Analysis of Some Recent VT Swarm Activity on the Soufriere Hills Volcano, Montserrat
V. Miller
- # 741. A Model of the Eruptive Process at Colima volcano (western Mexico) based on the Analysis of the Associated Seismic Signals of Vulcanian Explosions for the 2003-2005 Eruptive Period.
F.J. Nunez Cornu
- # 5580. Waveform parameters of volcano seismic events by the triangle diagram
V. Saltykov

Saturday 2 July 2011 IAVCEI , IASPEI

JV12/JS08 Volcano Seismology
 Organisers: IAVCEI , IASPEI
 Co-Sponsors: IASPEI

- # 3031. Three-dimensional P-wave velocity structure revealed by seismic experiment at Sakurajima volcano, Japan
T. Tameguri

Saturday 2 July 2011 UNION

U03 Recent Progress in the Studies of the Earth's Deep Interior
 Organisers: IUGG Union Commission on Study of the Earth and Deep Interior
 Co-Sponsors: IAGA, IASPEI, IAVCEI

- # 3879. Grain growth and loss of texture during annealing of alloys, and the translation of Earth's inner core
M. Bergman
- # 3915. South Atlantic anomaly and core-mantle boundary
A. De Santis
- # 1901. Very Preliminary Reference Moon Model
R. Garcia
- # 2812. The evidence of the spin crossover and structural changes at high pressures in iron-bearing spinels.
S. Kharlamova
- # 4568. Latitudinal Dependence of Some Effects of Anisotropic Thermal Diffusivity in the Earth's Core
M. Matsushima
- # 2421. Adjoint tomography of East Asia
M. Obayashi
- # 5747. Numerical simulations of magnetostrophic dynamo
A. Sakuraba
- # 4892. Variations of ancient geomagnetic intensity due to protocore dissolution by growing liquid core
S. Starchenko
- # 2882. Depth Variation of Inner Core Hemisphericity from PKP(DF) and PKP(Cdiff): P-Wave Velocity and Attenuation Structures for Equatorial Paths
S. Tanaka
- # 3728. Can seismic anisotropy be used to constrain flow patterns in the lowermost mantle?
J. Wookey
- # 985. On the Differential Rotation of the Earth's Inner Core From Testing the Nature of Differences in Repetitive Seismic Waveforms
M. Young

U10 Climate Change: a 360 Degree-View from IUGG Associations

Organisers: IAGA
Co-Sponsors: IACS, IAG, IAMAS, IAPSO, IASPEI

- # 2783. Pitfalls in the use of inversion methods for extracting information on climate change from borehole temperature data
R. Cardoso

Saturday 2 July 2011

UNION

U10 Climate Change: a 360 Degree-View from IUGG Associations

Organisers: IAGA
Co-Sponsors: IACS, IAG, IAMAS, IAPSO, IASPEI

- # 1801. Climate change impacts on the water quality: A case study of the Rosetta Branch in the Nile Delta, Egypt
A. El-Sadek
- # 304. Potential Hydrologic Impact of Climatic Change to Major River Basins of Western Canada
T.Y. Gan
- # 1566. A palaeoclimate record from Northern Australia
K. Gordon
- # 3535. Conditions Of Non-CO2 Emission Factors In The Domestic Cement Industry And Research To Improve Reliability Of Emissions Analysis
E.C. Jeon
- # 3953. Probabilistic projections of climate change over China under the SRES A1B scenario using 28 AOGCMs
Z. Jiang
- # 1352. Characteristics of the Precipitation Extremes over the Urban Areas of the Pearl River Delta of China
W. Li
- # 3297. An Assessment of the Greenhouse Gas Contribution to Global Warming Based on a Multi-model Ensemble
E. Park
- # 5305. Clues for non-stationarity of seismicity: climatic modulation of seismic hazard
A. Peresan
- # 837. Geothermal Climate Change Observatory in South India: Results From the First Year of Operation
S. Roy
- # 3539. Historical Land Use Change And Its Impact On Regional Climate In North Japan
T. Sato
- # 5407. Stained glass and climate change: How are they connected?
C. Simmons
- # 4801. Ozone, Weather, Climate, and Environmental Management
V. Smorodin
- # 2017. Propagation of Long-term Annual Temperature Signals in Shallow Subsurface Environment
Y. Sun
- # 4537. Climatic Impacts of Greening Spaces: Sociological and Biophysical Scale Considerations for Municipal Site Developments
A. Vanhoozer

- # 491. Four-Dimensional Structures and Physical Process of the Decadal Abrupt Changes of the Northern Extratropical Ocean-Atmosphere System in 1980s
D. Xiao
- # 580. Mechanism of stratospheric decadal abrupt cooling in the Early 1990s as influenced by the Pinatubo eruption
D. Xiao
- # 3431. Implementing a dynamic carbon-nitrogen scheme into the Common Land Model
Q. Zhang
- # 730. Impact of East Asian Winter Monsoon on Rainfall over Southeastern China and its Dynamical Process
L. Zhou

Sunday 3 July 2011**UNION**

- U01** **Science & Nuclear Test Ban Monitoring**
 Organisers: IASPEI, IUGG, and Comprehensive Nuclear Test Ban Treaty Organization (CTBTO)
 Co-Sponsors: IAMAS, IAPSO
-
- # 5110. Network Performance of the CTBT Monitoring Regime
J. Carter
- # 4195. Interdisciplinary Research in Seismology and Infrasonics
C. De Groot-Hedlin
- # 5975. The CTBTO hydroacoustic monitoring network
A. Forbes
- # 3971. High-resolution Geophysics and Seismology Applied to Nuclear Explosion Monitoring for CTBT On-Site Inspections - Case Studies
L.R. Gaya-Piqué
- # 3881. Large-Scale Controlled Surface Explosion Sources At Sayarim, Israel, For IMS Infrasonics Calibration
Y. Gitterman
- # 5704. Science and Technology Foresight for the Provisional Technical Secretariat of the CTBTO
P. Grenard
- # 5725. The CTBTO hydroacoustic monitoring network
P. Grenard
- # 4077. Studies of Infrasonic Propagation Using Dense Seismic Networks
M. Hedlin
- # 4102. Infrasonics data inversion for atmospheric remote sensing
J. Lalande
- # 5528. Monitoring the Performance of Waveform Analysts
R. Pearce
- # 4986. New hybrid broadband sensors for the NORSAR arrays
J. Schweitzer
- # 5490. Analysis of the historical seismograms of atmospheric nuclear explosions conducted on the sts
I. Sokolova
- # 3095. Validation and testing of IMS equipment to be installed at seismic and infrasonics stations.
Y. Starovoi
- # 5748. The Role of Independent Seismologists and Seismic Networks in Nuclear Test Monitoring
R. Willemann
- # 3061. Experiences of the International CTBT Monitoring System with Implications for the Design and Implementation of Earthquake Prediction Experiment Site
Z. Wu

Sunday 3 July 2011**IAG**

- JG04** **Structure and Deformation of Plate Interiors**
 Organisers: IAG
 Co-Sponsors: IASPEI, IAVCEI
-
- # 2351. Inversion of Crust Effective Viscosity in Tibet Based on the Velocity Derived from GNSS
Y. Dang
- # 2234. Seismic Velocities and Basin Lithology within a Petroleum Framework
A. Goncharov
- # 1574. 3-D simulation of tectonic evolution around the Kanto Region of Japan due to the collision of the Izu-Bonin Arc
A. Hashima
- # 1905. New Finite-Element Modelling of subduction processes in the Andes using realistic geometries
T. Jahr
- # 1940. Separation of sources and 3D gravity data inversion for the Thuringian Basin
G. Jentzsch
- # 2175. High Sensitive tilt measurements near TRIES Research Laboratory, Japan
G. Jentzsch
- # 5595. The orogeny of Taiwan from Absolute Gravimetry and GPS: observation and model
R. Kao
- # 4546. Style of Shortening Deformation Along the Eastern Margin of Niigata Basin, Central Japan
N. Kato
- # 3678. Local Diversity Of Contemporary Horizontal Deformation Field Of The Earth's Crust On The Area Of Central Europe Determined From GPS Data
B. Kontny
- # 4186. Constraining Nubia plate rigidity from Continuous GPS observations
R. Malservisi
- # 3780. The Italian present-day stress map
P. Montone
- # 5013. Monitoring Local Crustal Deformations in Western Finland Using GPS Measurements
M. Poutanen
- # 5383. Analysis of Ausgeoid09 in South Australia
G. Sandford
- # 5298. Vertical Deformation Monitoring by InSAR and Levelling in the North-West of Iran
M. Sedighi
- # 2739. A New thermal model of the North American lithosphere
M. Tesauro
-
- JG05** **Integrated Earth Observing Systems**
 Organisers: IAG
 Co-Sponsors: IACS, IAGA, IAHS, IAMAS, IAPSO, IASPEI, IAVCEI, IOC, GOOS, GCOS, GEO/GEOSS
-
- # 4135. ICET Activities at the Geodesy Observatory of Tahiti
M. Aureau

- # 4155. An XML Schema for GGP Data Archiving
M. Aureau
- # 5781. Activities towards an Integrated Site of Next Generation Geodetic Instruments at GGAO
D. Behrend
- # 1820. VIETNAM MAGNETIC AND IONOSPHERIC OBSERVATORIES ARE READY TO BE INTEGRATED IN THE GEOSS
H.D. Chau
- # 1418. Vernal Point: Transdisciplinary Scientific Supra-System and Cusco Meridian Base (72° W==0°)
T. Chavez_campos
- # 4366. Status of the GRGS Analysis Centers Webservices Organized Through a Virtual Observatory
F. Deleflie
- # 3861. Averaged Periodical Signals in Satellite Geodesy
L. Foldvary
- # 5892. The ICSU World Data System as a Global System of Data Systems
J.B. Minster
- # 5488. Contributions of an Integrated Geodetic Infrastructure to Current Geodetic Projects: Geodetic Observatory Pecny¹/₂, Czech Republic
P. Novak
- # 2097. The GGOS Portal – a “social network” for geodata
B. Richter
- # 3906. The Application of the New German 'High Altitude and Long Range Research Aircraft' (HALO) for Airborne Geodesy and Geophysics
M. Scheinert
- # 1711. High precision deformation monitoring at the Geodynamic Observatory Moxa/Thuringia, Germany: The new three-component laser-strainmeter assembly
P. Schindler
- # 3040. The key problems for construction of mm level Terrestrial Reference Fram
S.L. Song

A050 **Electrodynamics and energetic of the middle atmosphere and lower thermosphere: the local and global picture**
Organisers: IAGA Div II

- # 2486. Meteor Wind Radar observations of Gravity Wave Zonal and Meridional Variances at middle and low latitudes in Brazil
P. Batista

A050 **Electrodynamics and energetic of the middle atmosphere and lower thermosphere: the local and global picture**
Organisers: IAGA Div II

- # 2908. Aspect sensitivity of polar mesosphere summer echoes based on ESRAD MST radar measurements 1998-2010.
E. Belova

- # 800. An Emission Layer As A Gravity Wave Spectrometer
A. Belyaev
- # 2172. Stability of Large Fabry-Perot Spectrometer at a Remote Site for Thermosphere and Mesosphere Observations
T. Davies
- # 5939. Examination of optimum frequencies for 3-frequency measurement by potassium resonance scattering lidar
M.K. Ejiri
- # 5462. MU radar head echo monthly observation programme from 2009 to 2010
T. Nakamura
- # 5477. Sporadic Sodium Layer Observed at Tromsø, Norway (69.6N, 19.2E)
T. Tsuda

G02 **Monitoring and Modelling of Mass Distribution and Mass Displacements by Geodetic Methods**
Organisers: IAG

- # 1049. Astrogravimetric versus Topographically-Isostatically Astrogeodetic Geoids for Austria
H. Abd-Elmotaal
- # 1585. The Sun-Mass-Defect and the Increasing Distance of Sun-Earth
F. Amhar
- # 5861. One Year Continuous Gravity Observation with Superconducting Gravimeter OSG#058 Renewed in Jan, 2010 at Syowa Station, Antarctica
Y. Aoyama
- # 1882. Independent component analysis (ICA) of GRACE-derived Australian hydrological signals
J. Awange
- # 5739. Static and time-variable gravity field model EIGEN-6
R. Biancale
- # 3456. GNSS-derived Field of Deformation in Sub-diurnal Timescales
J. Bogusz
- # 4959. Multi-mission satellite altimetry: Investigations on combining global relative and absolute in-situ calibrations
W. Bosch
- # 2274. Large-scale hydrological variations in Africa observed by the GRACE mission
J. Boy
- # 2634. Validation of GOCE gravity gradients via the cross-over approach
P. Brieden
- # 5111. Stochastic modeling of GOCE invariants in real data analysis
J. Cai
- # 2085. Study of the time stability of tides using a long term (1973-2011) gravity record at Strasbourg, France
M. Calvo
- # 5720. Tidal field refinement from GOCE – A progress report
S. Casotto

- # 5689. Long-Term Climate Change Signals From Satellite Gravimetry
J. Chen
- # 4320. Using GRACE-derived estimates of Surface Water storage to constrain River Routing Models in the Amazon River basin
C. De Linage
- # 1763. Performance measures for the analysis of low-pass spectral filters on the sphere
B. Devaraju
- # 4070. Analysis of noise in the GRACE K-band ranging data
P. Ditmar
- # 5695. Observing Congo Basin Storage Change Using GRACE
J. Duan
- # 2264. Land Hydrology Compensates Deglaciation-induced Sea-level Rise
W. Featherstone
- # 2918. Accurate determination of the Earth Tidal Parameters at the BIPM to support the Watt balance project
O. Francis
- # 5380. Statistical analysis of champ monthly solutions using the energy balance approach in the space domain
R. Garcia
- # 3063. Performance analysis of satellite constellations for the next generation of gravity missions
C. Gruber
- # 3065. Regional Gravity fields from GRACE observations
C. Gruber
- # 3898. Submonthly GRACE solutions from localising integral equations and Kalman filtering
C. Gruber
- # 5187. Approximate global modelling of the gravity potential from observations with non uniform noise
M. Herceg
- # 4231. The terrain correction for gravity and gradiometry using the two-dimensional Haar wavelet
C. Jekeli
- # 1107. Geodynamics of northern Victoria-Land, Antarctica, inferred by GPS, and Micro-Gravity measurements
G. Jentzsch
- # 2340. Separation of the Geodetic Signals of Glacial Isostatic Adjustment and Secular Change of Terrestrial Water Storage in North Europe and North America
L. Jia
- # 2770. Accurate Gravimetry at the BIPM Watt Balance Site
Z. Jiang
- # 3328. Improvements on lunar gravity field model using Chang'E-1 orbital tracking data
Y. Jianguo
- # 3401. Lunar Global Mass Distribution and Compensation State
Y. Jianguo
- # 5740. Determination of High-Precision Underground Equipotential Profiles for the Alignment of a future Linear Collider
M. Jones
- # 5741. Measurement of Underground Variations in the Deflection of the Vertical with an High-Precision Interferometric Deflectometer
M. Jones
- # 878. Time Variation of the Eastern Margin of Tibetan Plateau Gravity Field by Repeated Observations with Relative Gravimeters
K. Kaixuan
- # 2335. The optimized method of precise regional quasi-geoid determination
B. Ke
- # 3008. A New Approach For Calculating Vertical Deflection of China Sea from Satellite Altimetry
B. Ke
- # 3621. Validation of Inelasticity of Mantle by the Observation of Ocean-tide Corrected Gravimetric Tidal Factors
T. Kim
- # 2955. GOCE User Toolbox and Tutorial for Solid Earth Physics
P. Knudsen
- # 1656. Satellite gravity data: Applicability for lithospheric density modelling and reduction techniques for geophysical applications
N. Koether
- # 3465. Analysis of time variations of the gravity field over Europe obtained from GRACE data in terms of geoid height and mass variations
J. Krynski
- # 3116. High-Resolution Gravity Field Modelling Through Iterative Point-Mass Fit
M. Kuhn
- # 3830. Signature Of Rapid And Large Atmospheric Pressure Variations In Absolute And Relative Gravity Measurements
B. Luck
- # 3043. Estimates of terrestrial water storage variation in China from GRACE
Z. Luo
- # 3044. Simulation Study on Gravity Modeling Based on 3D Delaunay Triangulation Algorithm
Z. Luo
- # 2176. Report on the Activities of SC 2.4 'Regional Geoid Determination'
U. Marti
- # 5116. The use of Spatial Techniques for the Establishment of a Vertical Reference in the Brazilian Amazon
A.C.O.C. Matos
- # 2681. Antarctic Ice Mass Trends and Accelerations from GRACE Revisited Considering Autocorrelation
P. Moore
- # 5728. Scientific assessment for future satellite missions observing temporal gravity field variations
M. Murback
- # 648. Detection of ice mass changes in the patagonia from grace data
M.C. Pacino
- # 2985. Geodetic and geophysical results from gravity and gps surveys in mount aconcagua (mendoza, argentina)
M.C. Pacino

- # 3954. Time-wise global GOCE gravity field models and their use for modelling ocean circulation
R. Pail
- # 5310. Monitoring of the Evolution of the Cone of Subsidence Produced by the Sub-terrains Holes Through the GNSS Technology and Total Station Measurements.
G.M. Radulescu
- # 3880. On Consistence of Seasonal Crustal Deformation Derived from GRACE Data and Hydrology Models and measured by GPS and Absolute Gravimeter at the Jozefoslaw Observatory in Poland
M. Rajner
- # 5969. GOCE Gradients for Regional Gravity Field Solutions with Least Squares Collocation
D. Rieser
- # 5663. A Space-Wise Gravity Field Model From One Year Of Goce Data
F. Sanso
- # 3904. The Gravity Field and Regional Geoid Determination in Antarctica (Progress of the Commission Project 2.4 Antarctic Geoidã
M. Scheinert
- # 4069. Application Of INSAR And GRACE Observations For The Assessment Of Groundwater Storage Depletion
F. Seitz
- # 5616. On the Estimate of Accuracy and Reliability of the A10 Free Fall Gravimeter
M. Sekowski
- # 5577. Global GOCE Gravity Field Models From Different Orbit Products
A. Shabanloui
- # 1321. New Formulation to Compute Co-seismic Gravity Vector Changes and Applied in the 2004 Sumatra-Andaman Earthquake (M9.3)
W. Sun
- # 2930. Afterslip and viscoelastic relaxation due to the 2004 Sumatra-Andaman earthquake seen in GRACE gravity field
Y. Tanaka
- # 1522. Regularization on GRACE gravimetry regional solutions
N. Tangdamrongsub
- # 793. Estimation of specific yield from GRACE satellite data and in situ field measurements in Azul, Argentina
C. Tocho
- # 5648. Forward Modeling Computation of Crustal Induced Gravity Signal at Satellite Altitude
D. Tsoulis
- # 3863. Contributions of local and regional hydrology to gravity variation observed with the superconducting gravimeter at Metsähovi, Finland: sensors and modelling
H. Virtanen
- # 5977. Postglacial rebound in Finland: new data on gravity change from comparison of measurements using the outdoor absolute gravimeter A10 with legacy relative measurements
H. Virtanen
- # 3608. Validation of GOCE gravity field models by astrogeodetic vertical deflections in Germany
C. Voigt
- # 3824. Linearity test of the gravity gradients
L. Volgyesi
- # 3825. On reducing the measurement time of the Eötvös torsion balance
L. Volgyesi
- # 3826. Inversion reconstruction of gravity potential based on gravity gradients
L. Volgyesi
- # 3840. AGrav - A Global Absolute Gravity Database
H. Wilmes
- # 1000. External calibration of GOCE data using regional terrestrial gravity data
Y. Wu
- # 1874. Long-term gravity changes in China mainland obtained from GRACE and terrestrial gravity measurements
L. Xing
- # 2343. The Analysis of the Gravity Field Recovery from GOCE Nearly Repeated Period Observations Based on the SA Method
X. Xu
- # 3575. Long-arc analysis of satellite gravity data using the dynamic method
X. Xu
- # 3098. Hydrological mass variations caused by extreme weather conditions in China measured by GRACE TVG data
Z. Zhang
- # 1625. Estimating Gravity Changes Caused by Strong Earthquakes
Z. Zou

Sunday 3 July 2011

IAHS

JH01 GRACE, other remote sensing platforms and ground based methods for estimating multi-scale surface water budgets, groundwater system characterization and hydrological processes

Organisers: IAHS (ICRS, ICSW, ICGW, ICWRS, PUB, GRACE), IAG, IAMAS

- # 214. Use of Twin Grace Satellite Gravity Data and Geoid signals in the characterization of major underlying aquifer regimes and tectonic structure of the middle Indus Basin, Pakistan
Z. Ahmad
- # 499. Extreme Rainfall Characteristics Derived from Raingauge and Reanalysis Data-sets in the Amazon Basin
R.T. Clarke
- # 450. Advances on the integration of spatial altimetry data into the automatic calibration of hydrological models
A. Getirana
- # 288. Ground-based Laserscanning - a new Method for Measuring Fluvial Erosion on Steep Slopes
F. Haas

- # 215. Assessing Performance of Irrigation Systems Using High Resolution Satellite Imageries
M. Latif
- # 366. A GRASS GIS based comparison of energy balance models of evapotranspiration at regional scale (Case study: Gareh Bygone, Iran)
M. Pakparvar
- # 287. Estimation of evaporative fraction from top-of-atmosphere radiance
J. Peng
- # 139. Extreme hydrological events in the Amazon basin wetlands by radar altimetry
J. Santos Da Silva
- # 1852. Application of Satellite Altimetry in Flood monitoring in West African coasts.
A. Ugwuoti
- # 354. The impact of the higher resolution temporal and spatial analysis on water risk assessment: Case study of Tubma basin, Thailand
S. Visessri
- # 432. Assessment of large-scale hydrologic modeling of Negro river - Amazon watershed with water level and GRACE data
L. Xavier
-
- JH02** **Hydro-climatology: Variability and change**
- Organisers: IAHS (ICCLAS, ICSW, HYDROMET), IAMAS
-
- # 117. Climate change analyses (1921-2007) at a regional scale in three Italian areas and impact on bioclimate indexes
A. Capra
- # 396. Impact of climate variability and human activity on streamflow in Calabria (Southern Italy)
A. Capra
- # 319. Attribution of actual evaporation changing with Budyko Hypothesis
Z. Cong
- # 387. Issues of Scale in Surface Heat Flux Retrieval Using Multi-Resolution, Multi-Temporal Satellite Imagery
A. Ershadi
- # 2296. Evaluate hydro-variables among land models and with satellite and ground measurements
T. Fan
- # 340. A Monthly Rainfall-Runoff Model using Radial Basis Function Neural Networks for Piancó River Basin, Brazil
C.A.S.D. Farias
- # 433. Uncertainty analysis and evaluation of influential factors in the performance of watershed models
A. Gelfan
- # 465. Elimination of uncertainties in the daily and monthly natural hydrologic time series
M. Hanel
- # 205. Relationship between maximum annual discharge and Standardized Precipitation Index(SPI) in a representative basin of Iran
S. Hejjam
- # 88. Interaction of Climate Drivers and their Impact on Australian Rainfall
M. Ho
- # 376. Correlation entropy estimation for hydrological time series
A.W. Jayawardena
- # 398. Hydrological responses of Heihe River Basin to extreme climate change
J. Jin
- # 295. Evaluation of the Karst effect on flood peak reduction for optimal residential site selection
H. Karimi
- # 379. What drives the physical mechanisms that cause hydroclimatic variability in the Australasian region?
A. Kiem
- # 331. Variation Trends of Meteorological variables and Their Impacts on Potential Evaporation in the Hailaer River Basin
Q. Li
- # 299. Assessing the Effect of Climate Natural Variability in Water Resources Evaluation Impacted by Climate Change
Y. Liu
- # 285. A Simple Method to Estimate Soil Thermal Diffusivity
P.P. Lu
- # 267. Analysis of Cold-Humid Effect in Baiyangdian Wetland
T. Ma
- # 504. Climate Change Impacts on Water Resources in Yemen
A. Noaman
- # 348. Long term prediction of rivers flow located in the Northern Hemisphere
B. Nurtayev
- # 203. Investigation of the effects of climate change on the water resources in the Grote Nete catchment, Belgium
M. Tavakoli
- # 170. A Comparison of SAM Indices and Classification Methods for Identifying Relationships with South Australian Hydroclimate
C. Tozer
- # 497. The Impact of Climate Change on Extreme Drought Events in China
X. Wang
- # 355. Comparison of the performance of the YHyM Model and Xinj⁻ anjiang Model in a Mountainous Watershed
Q. Xu
- # 461. Uncertainties resulted from using different hydrological models for assessing the hydrological impact of climate change in different regions
C. Xu
- # 225. Impacts of Geopotential Heights at 500hPa on Droughts of Haihe River Basin
X. Yan
- # 5997. Evaluation of a Satellite-based Rainfall Product with Emphasis on Hydrologic Modeling
K. Yilmaz
- # 364. Extreme Hydrologic Events in the Liaohe River Basin Associated with Future Climate Change Scenarios
S. Yuan

HW01 **Tracer applications in sediment research**
 Organisers: ICCE, ICT, ICWQ, PUB

- # 2654. An Investigation into Sediment Sources and Sediment Storage in the Isbena Catchment, Southern Pyrenees.
J.A. Lopez-Tarazon

JHW02 **Interaction between fresh water and ecosystem in the coastal zone**
 Organisers: IAHS (ICGW, ICWQ), IAPSO

- # 2067. Distribution of submarine groundwater discharge investigated by 222Rn survey along the coastal line of Mt. Chokai, North Japan
T. Hosono
- # 2584. Factors controlling the temporal variations in mixing rates of groundwater with seawater in a subterranean estuary revealed by 222Rn tracer
Y.H. Oh
- # 350. Numerical simulation of seawater intrusion by sea level rise due to global warming – a case study of Noubi Plain in Japan –
T. Onishi
- # 3441. Determination of Spatial Distribution of Direct Groundwater Discharge by Radon-222 and Evaluation of Mixing Components in Lake Ezu, Japan
M. Ono

Sunday 3 July 2011 **IAMAS**

JM13 **Precipitation measurements; instrumentation and statistics at all scales**
 Organisers: IAMAS(ICCP), IAHS

- # 5715. Geostatistical Approach in Spatial Estimates of Rainfall: Betwa River Catchment
R. Ahlawat
- # 5682. Regional Climate Simulation of Precipitation over Iberian Peninsula
R. Cardoso
- # 5684. An Assessment of precipitation in Mainland Portugal: WRF regional simulations for a wet and dry year
R. Cardoso
- # 3940. The precipitation statistics based on satellite and stationary measurements over United States and Australia
T. Fan
- # 4780. The Australian Forecaster's Role in Probabilistic Precipitation Forecasting
M. Foley
- # 863. Cumulonimbus Incus in Summer Asia detected by TRMM PR
Y. Fu
- # 866. Climatological Comparison of Precipitation between Rain Gauge Observations and TRMM PR Measurements in the Mainland China
Y. Fu

- # 1388. Monitoring of Precipitates and Snow Chemical Composition in Cities of Belarus
S. Kakareka
- # 4866. A Comparison of Statistical and Dynamical Downscaling Methods for Change of Surface Meteorology over Japan
H. Kubokawa
- # 1351. Precipitation Statistics over Beijing based on Observation of a Dense Rain-gauge Network and Multi-meteorology Radars
J. Liu
- # 5393. Temporal analysis of the precipitation events at serid ecological station-RN, Brazil
L. Moreira
- # 3730. Evidence of Climate Variability and Climate Change in Imo State of the Southeastern Nigeria
F. Okorie
- # 3301. The Observed Space-Time Distribution of Rainfall over Australian Cities from Radar Data
B. Raut
- # 4491. Forecasting and Verification of Precipitation on Sub-daily Timescales
B. Roux
- # 5655. Dynamical Downscaling of ERA-Interim for high resolution climatology of Portugal
P. Soares
- # 266. Precipitation Patterns and Associated Summer Extreme Flow Analyses in the Yangtze River, China Using TRMM/PR Data
Z. Sun
- # 867. Characteristics of Summer Precipitation Diurnal Variations in Huaihe River Basin
L. Sun
- # 1411. Application of Bayesian Maximum Entropy Method in Evaluation of Precipitation Patterns
F. Taghavi
- # 5896. Multifractal Rainfall Extremes and Climate Change Detection
I. Tchiguirinskaia
- # 2258. New Distribution Functions for Short-term precipitation during the snowless season in Japan
Y. Wakazuki
- # 1274. An Analysis on a Deep Cloud System Observed during a Flight in Southwest China
W. Wang
- # 4747. Improvement of TRMM 3B42 satellite rainfall product over Thailand in 2009
P. Wetchayont
- # 5183. How Capable Are Satellite-Based Products in Representing Precipitation Extremes?
O. Zolina

Sunday 3 July 2011 **IAPSO**

JP01 **The Southern Ocean in a changing world**
 Organisers: IAPSO
 Co-Sponsors: IACS

- # 4838. Location of the Antarctic Polar Front From 4 KM AVHRR Satellite Sea Surface Temperature Measurements.
M. Alfaro

- # 3732. The Italian SOChIC project in the framework of a global survey of ACC fronts and mesoscale eddies
G. Budillon
- # 3574. Foraging Behavior of Weddell Seals in Relation to the Oceanography of the Ross Sea
D. Costa
- # 2278. The Ocean Front Structure on Section SR02 South of Africa in December 2009
A. Gritsenko
- # 3146. Variability of the South Subtropical Front in the South Atlantic
A. Gritsenko
- # 4151. Antarctic Deep Water Rates of Export
L. Jullion
- # 2628. Assessing impacts of the mertz glacier tongue calving on dense water formation and export
K. Kusahara
- # 1790. Interannual variability of the Antarctic Circumpolar Current position based on remote sensing data
S. Lebedev
- # 1914. Sensitivity of the Southern Ocean Overturning Circulation to Surface Buoyancy Forcing
A. Morrison
- # 719. Benthic Foraminifera from parts of south west Indian Ocean : Implications to Paleoecology
J. Nadimikeri
- # 755. Interocean Exchanges south of Africa of Antarctic Intermediate Water revised title: Observations of the interocean exchanges and spreading of the Antarctic Intermediate Water south of Africa
E. Rusciano
- # 3820. Rapid Southern Ocean Front Transitions in an Eddy-Resolving Ocean GCM
A. Thompson
- # 2912. Water property changes along the CLIVAR/WOCE SR3 repeat section at 140E in the Southern Ocean
E. Van Wijk
- # 1561. Monitoring Subsurface Oceanic Variability with Satellite Altimeter Measurements
L. Zhang
- # 659. Tsunamigenic and non-Tsunamigenic Characteristics in Wavelet Domain
V. Dimri
- # 1109. Modeling scenarios of tsunami propagation in Vietnam East Sea (South Chinese Sea)
C. Dinh Trieu
- # 4377. Tsunami signal isolation for tsunami inundation forecasting
M. Eble
- # 488. Palaeotsunami magnitude, frequency and source (PMFS) modelling – progress in small steps
J. Goff
- # 4566. Developing Tsunami Fragility Curves for Structural Destruction Using the Post-tsunami Data from American Samoa
H. Gokon
- # 673. Numerical modelling for the remarkable bathymetric change by the 2004 Indian Ocean tsunami at Kirinda Harbor, Sri Lanka
K. Goto
- # 3259. Can Fault Parameters of Offshore Earthquake be Estimated from Tsunami Height at Single Location?
T. Harada
- # 2924. Proposal of New Procedures for Improved Tsunami Forecast by Applying Coastal-to-offshore Tsunami Height Ratio
Y. Hayashi
- # 3267. TsuDAT: An open source tool for tsunami inundation modelling and impact assessments
N. Horspool
- # 2364. Rupture area of the 1958 Etorofu earthquake occurred in Kurile subduction zone estimated from tsunami waveforms
K. Ioki
- # 5270. Investigation 3D Crustal velocity structure in the kermanshah region by using local earthquake tomography
M. Javaheri Mofrad
- # 3138. Preliminary Modeling of Tsunami Generation, Propagation and Inundation in the Aegean Sea
U. Kanoglu
- # 4136. A New Analytical Solution for Nonlinear Shallow-water Wave Equations
U. Kanoglu
- # 4294. Signatures of Krakatau Tsunami Recorded by Tide Gauges along the European Atlantic Coast
M. Karpytchev
- # 4885. Tsunami hazard estimation for the Kamchatka coast
V. Kaystrenko
- # 2495. Can GPS Total Electron Content Measurements Be Used to Augment Tsunami Early Warning Systems?
A. Komjathy
- # 4599. 2D and 3D numerical simulation of tsunami inundation by Lattice Boltzmann Method
S. Koshimura
- # 4614. Field survey of the 2010 tsunami in Chile
S. Koshimura
- # 5175. FDTD Computation of Nearfield Tsunami as a Seismic Wave Using Elastodynamic Equation with the Cowling Approximation of Self-Gravitation
T. Kuramoto

Sunday 3 July 2011

IASPEI

JS01 Advances in Tsunami Science, Warning, and Mitigation

Organisers: IASPEI

Co-Sponsors: IAPSO and IAVCEI

- # 4608. Records of Tsunamis in the Indian Ocean with a Particular Focus on the Northern End of the Bay of Bengal
E. Alam
- # 4574. Large model tests of drifting container impact force due to surge front tsunami
T. Arikawa
- # 4310. Tsunami Hazard Assessment in North East Atlantic Related with Gloria Fault
M.A. Baptista
- # 2103. Nonlinear-dispersive properties of hazardous waves in the coastal zone
I. Didenkulova

- # 1757. Reflected Tsunami Waves Study Using Method Based on Huygens' Principle
A. Marchuk
- # 717. Impact of Indian Ocean Tsunami on India: Implications to economic and social settings
J. Nadimikeri
- # 4490. Tsunami Fragility Curves of the 1944 Tonankai Earthquake Tsunami in Owase City, Japan
Y. Namegaya
- # 4829. Tsunami Waveform Inversion without Assuming Fault Planes -Application to Recent Four Earthquakes around Japan
Y. Namegaya
- # 4518. Correlation of sandy paleo-tsunami layers focusing on temporal change of beach sand component
Y. Nishimura
- # 3448. Numerical method of tsunami simulation including the effects of seafloor topography
T. Ohata
- # 698. Active Subduction on Both Coasts of Costa Rica does not Represent an Important Tsunami Hazard
M. Protti
- # 2162. Atmospheric Forcing of Tsunami-like Long Period Sea Level Oscillations along the Coast of Vancouver Island, British Columbia
A.B. Rabinovich
- # 3049. The Makran Subduction Zone, Northern Arabian Sea: A Case for Two Segments and its Implications on the Earthquake and Tsunami Potential
C.P. Rajendran
- # 2858. GPS-controlled tide gauges in Indonesia's tsunami warning system - The GITEWS network
T. Schöne
- # 1708. The method of tsunami risk express-estimation
G. Shevchenko
- # 2747. Processing and lessons learned in analyzing high-resolution DART data
K. Stroker
- # 4550. Effect of time-lag in seismic events on probabilistic tsunami hazard
H. Sugino
- # 2899. Depositional features of deep-sea tsunami deposits in the Miocene Morozaki Group, central Japan
T. Tachibana
- # 5894. Probabilistic Tsunami Hazard Inundation Map of California
H.K. Thio
- # 2992. A Hybrid Probabilistic and Deterministic Analysis to Assess Tsunami Hazard for the Pacific Coasts of Central America
S. Tinti
- # 3234. Accuracy of tsunami numerical simulation with high-resolution topographic data
R. Tsudaka
- # 4693. Near-field tsunami forecasting from ocean bottom pressure and onshore GPS data
H. Tsushima

Sunday 3 July 2011 IASPEI, IAGA, IAVCEI

JS11/JV09 Imaging and monitoring active volcanoes and geothermal fields by ElectroMagnetic (EM) and other geophysical techniques

Organisers: IASPEI, IAGA, IAVCEI

- # 1719. Crustal thermal regime of Ikogosi Warm Spring Nigeria inferred from magnetic data
O. Alao
- # 2394. Hydrothermal system beneath Tarumae volcano Japan as inferred from numerical simulation of self-potential
H. Hase
- # 4514. Resistivity Structure Around the Aira Caldera, SW Japan, Inferred from the Magnetotelluric Measurements
W. Kanda
- # 2028. 3D temperature estimation in the Hengill volcanic complex (Iceland) from the ground electromagnetic data
V. Spichak
- # 5263. On the Heterogeneous Electrical Structure Around Earthquake Swarm Region
R. Yoshimura
- # 2035. Hydrothermal systems, ground fluid flow and geological discontinuities inferred by self-potential surveys over several active volcanoes; long term evolution
J. Zlotnicki

Sunday 3 July 2011 IASPEI

JS12 Towards short-term earthquake prediction - Electromagnetic and other possible precursors and their generation mechanisms

Organisers: IASPEI, IAGA, IAVCEI

- # 947. On ground base monitoring of ionosphere for purpose of earthquake prediction
G. Khachikjan
- # 1614. Analysis on the characteristic of fluid pore pressure diffusion with aftershocks of wenchuan ms8.0 earthquake
Y. Liu
- # 2500. On the reported ionospheric precursor of the 1999 Hector Mine, California earthquake
J. Love

S13 Seismic Imaging of the Lithosphere and Mantle

Organisers: IASPEI

- # 1635. Crustal and upper-Mantle structures in Venetian Alps (NE- Italy): insights from Local Earthquake Tomography (L.E.T.) and Receiver function Analysis
M. Anselmi

- # 1137. Determination of Crustal Structure Beneath a Broadband Station in Malaysia Using Receiver Function Analysis
Z.A. Din
- # 5346. Azimuthal Anisotropy of Hudson Bay Crust Using Ambient Seismic Noise
D. Eaton
- # 2530. Joint Interpretation Of Regional Reflection And Wide-Angle Vibroseis Data With Magnetotelluric And Gravity Modells, Gawler Craton, South Australia
T. Fomin
- # 2202. spacial interpolation applied a Crustal thickness.
G. Franca
- # 1968. Upper Mantle Structure of Kurile-Kamchatkan and Aleutian Arcs Junction Area (Kamchatka)
L. Gontovaya
- # 5678. Crustal Block Structure and Automatic Layer Boundary Determination in the Central Fennoscandian Shield Based on 3D Seismic Vp and Vs Tomography
P. Heikkinen
- # 5679. Lateral Anisotropy Directions of the Crust Revealed by P-Wave Residuals of Seismic Tomography in the Central Fennoscandian Shield
P. Heikkinen
- # 2376. Crustal Structure of Southern Taiwan from Wide-Angle Multiple Seismic Travel Time Data of TAIGER Project
H. Hsu
- # 5274. Imaging S-wave scatterer in the focal area of 2005 West Off Fukuoka Prefecture Earthquake by using seismic array
M. Nakamoto
- # 3520. How Do Waves Attenuate Under Urban Areas? - Insight From The Tokyo Metropolitan Seismic Observation Network (Meso-Net)
Y. Panayotopoulos
- # 3115. Crustal Velocity Anomaly Zones Revealed by the BB Noise Tomography in the Vicinity of the Dead Sea Fault
V. Pinsky
- # 2344. AuSREM - Australian Seismological Reference Earth Model
M. Salmon
- # 651. Integrated geophysical GIS&RS models of the orogenic Lithosphere: the examples in western Uzbekistan
I. Sidorova
- # 4954. Cape Verde Hotspot from the upper crust to the lower mantle
G. Silveira
- # 5569. SW Iberia Surface-Wave Tomography from Seismic Ambient Noise
G. Silveira
- # 2897. Receiver Function for Deep Borehole and Ocean Bottom Stations
H. Takenaka
- # 2058. Crustal Structure of South-eastern Gansu from Regional Broadband Waveform Modelling
Y. Wang
- # 986. Group and Phase Velocity Variations in Tasmania from Ambient Seismic Noise
M. Young

- # 1610. The Velocity Structure of the Crust and Upper Mantle in Western China and its Adjacent Areas from Surface Wave Tomography
X. Zhang

Sunday 3 July 2011 IASPEI, IAGA, IAVCEI

JS11/JV09 Imaging and monitoring active volcanoes and geothermal fields by ElectroMagnetic (EM) and other geophysical techniques
Organisers: IASPEI, IAGA, IAVCEI

- # 2588. Crypto-domes, Intrusions and Hydrothermal System Characterised by 3D Geomagnetic Inversion and VLF-EM in an Active Volcano (El Chichón, Mexico)
M. Jutzeler
- # 5986. Acoustic monitoring at active seafloor volcanoes using autonomous underwater vehicle
H. Kumagai
- # 3965. Mixed Electrical Conduction in Hydrous Natural Silicate Liquids
B. Poe

Sunday 3 July 2011 IAVCEI

JV07 Using Paleomagnetism to Understand Volcanic Processes
Organisers: IAVCEI
Co-Sponsors: IAGA

- # 4258. Use of paleomagnetism to aid in stratigraphy and chronology in the monogenic Springerville Volcanic Field, Arizona, USA
L. Brown
- # 5360. Paleomagnetic investigations of tuffs from Angara region of Siberian Trap province: estimation of emplacement temperatures
A. Latyshev
- # 2560. A.D. 886 phreatomagmtic eruptions of Niijima, Izu islands, Japan: Emplacement temperature of pyroclastic-flow deposits using paleomagnetic methods
R. Nakaoka
- # 1089. The thermal structure of pyroclastic flow deposits and relevance to understanding their eruptive style and transportation processes: a proposal research for volcanic island of S o Miguel, Azores.
A. Pensa
- # 2280. The 1000 year BP ignimbrite-forming eruption of Caldeira volcano (Faial, Azores): Event-stratigraphy and paleomagnetic estimation of emplacement temperatures
M. Porreca
- # 2478. Paleomagnetic secular variation at the Azores during the last 3 ka
M. Porreca
- # 4113. Comparison of Deposition Temperature of the Colima 1913 and El Chichon 1982 Pyroclastic Density Currents (Mexico).
R. Sulpizio

JV10/V19 Volcanic and Seismic Issues Related to Siting of Nuclear Facilities / Probabilistic Volcanic Hazard Mapping

Organisers: IAVCEI
Co-Sponsors: IASPEI

- # 6024. Far-field Coseismic Displacement Caused by the Mw9.0 Tohoku Earthquake on 11 March 2011
S. Yang

JV11 Progress and Perspectives in Studies of the Continental Lithosphere

Organisers: IAVCEI
Co-Sponsors: IASPEI, ILP

- # 2616. Gravimetric Survey of the Patomsky Crater (Eastern Siberia)
D. Demezhko

JV10/V19 Volcanic and Seismic Issues Related to Siting of Nuclear Facilities / Probabilistic Volcanic Hazard Mapping

Organisers: IAVCEI
Co-Sponsors: IASPEI

- # 3406. A Probabilistic Approach to Modeling Lava Flow Inundation
L. Connor
- # 1926. Basaltic surtseyan eruptions in the Azores: Implications for potential volcanic hazards
Z. França
- # 3386. How Many Explosive Eruptions are Missing from the Geologic Record? Analysis of the Quaternary Record of Large Magnitude Explosive Eruptions in Japan.
K. Kiyosugi
- # 5938. Titan 2D modeling and evaluation of Ilamatepec Volcano's 2005 eruption and pre-1904 stratigraphy
B. Martinez-Hackert
- # 3052. Disaster Mitigation Systems using Hazard Maps incorporated by Event-Trees, Volcanic Scenarios, and Risk Assessments
Y. Nakamura
- # 655. Update Hazard map of Colima volcano, Mexico
C. Suarez-plascencia
- # 2413. First Volcanic Hazard Map for Changbaishan Tianchi Volcano, China
B. Zhao

V18 Surface processes in volcanic terrains: the erosion, transport and redeposition of volcanoclastic material and their associated hazards

Organisers: IAVCEI

- # 4043. The life and death of a volcanoclastic dam: insights from the 2360 BP eruption of Mount Meager, British Columbia, Canada
G. Andrews
- # 3816. The Youngest Eruptions and Edifice Collapse of Iriga Volcano, Philippines
M. Belousova

- # 1542. Ancient mudflows in the Tuxtla volcanic Field, Veracruz, Mexico

J.M. Espindola

- # 5121. Post-Eruptive Lahar and Floods Resulting from the 2010 Eruption of Eyjafjallajökull: Observations, Mapping, and Modelling

M. Roberts

- # 1185. Erosion and re-deposition by pyroclastic flows: implications of experimental evidence for reworking of loose substrates and primary deposits.

P. Rowley

- # 4467. GRANFLOW-SIM: an Apparatus for Large Scale Experiments on Granular Flows

D. Sarocchi

Monday 4 July 2011**UNION**

- U07 Mathematical tools in Geophysical Modelling**
 Organisers: IAGA and IUGG Commission on Mathematical Geophysics
 Co-Sponsors: IAG, IAPSO
-
- # 594. Inversion of a Discontinuous Travel–Time Curve of Refracted Wave
V. Burmin
- # 595. Inversion of travel-time of a reflected wave
V. Burmin
- # 596. Approximation of Seismic Travel-Time Curves with Convex Cubic Splines
V. Burmin
- # 5511. Solutions to Ellipsoidal Boundary-value Problems using Spherical Harmonics
S. Claessens
- # 1220. Geoscientific Spatial Data Inference: Integrating Measures of Spatial Autocorrelation and Related Strategies with Machine Learning Routines
M. Cracknell
- # 2352. A New Newton-Type Iterative Formula of the Ranging Positioning Equations
Y. Dang
- # 5222. Petrophysical characterisation lithology identification of Beda formation, Sirt basin, Libya using well logging records
R. Eljade
- # 1842. Anisotropic multifractal analysis of atmospheric turbulence
G. Fitton
- # 954. Development of a Site Specific Mean Gravity Model
J.K. Ghosh
- # 2090. Gravitational smoothing of time series in problems of approximation and interpolation of irregular data
A. Gvishiani
- # 3955. Modeling of the Earth's Gravity Potential Using Pole Functions
M. Hayn
- # 5553. Reproducing Kernel in Gravity Field Studies and its Numerical Implementation for the Exterior of an Ellipsoid
P. Holota
- # 5438. Application of 3D Modeling in the Exploration of Orogenic Gold Deposits: A Case Study from Southeastern Australia
M. Hough
- # 952. Geostatistics for the Assessment of Depths to Bedrock and Water Table A Case Study from Kandy Sri Lanka
H.A.H. Jayasena
- # 3383. The Perturbation Analysis of Nonlinear Ill-conditioned Solution
Y. Jianguo
- # 4797. Long Wavelength Resolution of Wavelet and Multitaper-Fourier Spectra: Application to the Isostatic Admittance
J. Kirby

- # 940. Inversion of Vertical Electrical Sounding Data from the Critically Dynamic Koyna Region using the Hybrid Monte Carlo-Based Neural Network Approach
S. Maiti
- # 1983. The construction of geophysical model of Earth crust based on data joint inversion.
P. Martyshko
- # 4699. Nonstationary covariance modeling for incomplete data: Monte Carlo Expectation Maximization approach
T. Matsuo
- # 3941. Regional modelling of GRACE SST data in Scandinavia
M. Naeimi
- # 5729. Numerical aspects of regional gravity field modeling
M. Naeimi
- # 3974. Regional Modelling of the GOCE Gradients
I. Panet
- # 1611. Detection of anomalies in ionospheric data during increased seismic activity
Y. Polozov
- # 5821. A combined conjugate gradient-wavelet approach for the inversion of the Poisson integral
M. Sideris
- # 882. Mathematical modelling applicable to geomagnetism
M. Sridharan
- # 5107. Methodological aspects of the geological stripping in the Faroe Islands area.
G. Strykowski
- # 3213. The integral-equation-based approaches for modelling the local gravity field in the remove-restore scheme
R. Tenzer
- # 3216. The average subsurface rock density in New Zealand estimated using the QMAP and PETLAB datasets
R. Tenzer
- # 3217. The application of bathymetric stripping corrections in modeling the Earth's crust structure using the GOCE gravity data
R. Tenzer
- # 5621. Numerical Investigation of Dynamic Orbit Analysis Based on GRACE Accelerometry, K-Band and Precise Orbit Data
D. Tsoulis
- # 1802. Development of Software in Conductivity Depth Image
M. Von Huelsen
- # 1828. Analysis of Guided Elastic Waves At A Periodically Joined Interface of Two Half Spaces.
A. Yenwong Fai
- # 931. Earth's Gravity Field Recovery from GOCE High-low SST and SGG Data by the Spectral Combination Method
B. Zhong

U09 Do We Really Know the Hydrological Cycle?
 Organisers: IAHS
 Co-Sponsors: IACS, IAG, IAMAS, IAPSO

- # 2682. The water cycle of West Africa investigated with a new hybrid water budget dataset and numerical weather prediction models
O. Bock
- # 1651. An Investigation Into the Impact of Climate Change on Canopy Interception in Forests. Do We Really Know?
H. Bulcock
- # 2548. Attribution of the multi-decadal to sub-millennial variations of the global monsoon precipitation
J. Liu
- # 3358. Field Investigation of Runoff Generation Processes in New Zealand Upland Catchments
H. McMillan
- # 143. Does the solution of an inverse problem allow us to have a new knowledge about the runoff formation?
B. Mikhail
- # 6076. Hydrologic Sub-Catchments Analysis in Prespa Region
C. Popovska
- # 5796. Direct vs. indirect effects of tropospheric humidity changes on the hydrological cycle
S. Sherwood
- # 746. Can rainfall-runoff models calibrated against historical data reliably predict runoff responses to change in future climate inputs?
J. Vaze
- # 3393. Hydrological Cycle Simulated by an Australian Land-surface Model
H. Zhang

Monday 4 July 2011 IAG, IASPEI

JG06/JS06 Tectonic Geodesy and Earthquakes
 Organisers: IAG, IASPEI
 Co-Sponsors: IASPEI, IAG

- # 2543. A geodetic study of the Otago Fault System of the South Island of New Zealand
P. Denys
- # 3798. San Fernando Naval Observatory GPS Network Time Series Analysis
J. Garate
- # 5627. Iberian Region Deformation and Strain Maps from GPS Timeseries
J. Garate
- # 3026. Land Subsidence derived by GPS and InSAR, Groundwater Extraction, and Flooding in Bandung Basin (Indonesia)
I. Gumilar
- # 3411. Spatio-temporal variation of the inter-plate coupling beneath northeastern Japan estimated based on surface displacement rate gradients and small repeating earthquakes
T. Iinuma

- # 1360. A detailed examination of the structural and geological conditions at the locations of high risk objects
G. Ivanchenko
- # 5165. Performance Evaluation of High-Rate GPS Seismometers
T. Kato
- # 1167. Elastic rebound mechanism: GPS-observation analysis in relation to the 2004 Parkfield earthquake (M=6.0)
- # 774. Estimation of strain and Slip distribution around the Central and Western Himalaya inferred from GPS observations
M. Ponraj
- # 1678. Plate boundary deformation following the December 26, 2004 Andaman-Sumatra Earthquake revealed by Global Positioning System Observations and Moment Tensor Solutions
S. Prajapati
- # 3056. Study on the Crustal Deformation in Kashi Depression and the Border Region of Pamir and the South Tianshan by GPS and InSAR
X. Qiao
- # 3748. b- Value and Energy Release Pattern in Seismogenic Region of Nepal Himalaya and vicinity - Paradigm of Earthquake Hazard
D. Shanker
- # 819. The movement characters of main faults around Eastern Himalayan Syntaxis revealed by the latest GPS data
F.T. Tang
- # 3937. Viscous Lithospheric Structure beneath Sumatra Inferred from Post-seismic Gravity Changes Detected by GRACE
W. Wang
- # 5751. The southern termination of the 2010 Chile Earthquake rupture: Results from Global Positioning System Measurements and numerical modeling
J. Wickert
- # 3928. Joint inversion of LMS fault based on GPS and leveling data and analysis on its dynamic mechanism
Z. Yang
- # 1604. Preliminary Analysis Results of 1HZ Vertical Tiltmeters in China
C. Zhiyao

Monday 4 July 2011 IAGA

JA02 Climate and Weather of the Sun-Earth System - CAWSES –II early results
 Organisers: IAGA, ICMA, IAMAS

- # 1381. The Grand Minima events and the non-trivial nature of planetary accelerations on the Sun
R. Cionco
- # 516. Testing the Cosmic Ray-Lightning Connection Hypothesis
A. Collier

JA03 Long-term changes in the stratosphere, mesosphere, thermosphere and ionosphere
 Organisers: IAGA, ICMA, IAMAS

- # 1099. Seasonal variation of Trend in Temperature and Ozone over the Tropical Stratosphere in the Northern Hemisphere
S. Fadnavis
- # 3640. Lunar tide effects in the equatorial electrojet observed by MAGDAS/CPMN
A. Ikeda
- # 1587. Seasonal and solar flux influence on quiet time evolution of post sunset equatorial F region height
B. Kakad
- # 3814. Numerical Simulation of the Earth's Ozone Layer Evolution in the 21st Century
A. Zadorozhny

JA04 Electromagnetic oscillations from space to Earth: Celebrating 150 years and recent developments in ultra-low frequency wave research
 Organisers: IAGA Div.3 (To be co-sponsored by IAGA Divisions I, II, V, Interdivisional Commission on History and IASPEI)

- # 3620. A Case Study of Upstream Wave Transmission to the Ground at Very High and Low Latitude
M. De Lauretis
- # 3495. Long-period Ionospheric Electric and Magnetic Field Variations Observed by FM-CW Radar and MAGDAS
A. Ikeda
- # 5600. Poloidal Mode Field Line Oscillations in the Night and Dayside Inner Magnetosphere
F. Menk
- # 4344. Propagation characteristics of Pc1 geomagnetic pulsations at subauroral and low latitudes
R. Nomura
- # 2519. ULF wave propagation influences on Ionospheric Doppler velocity variation modeling
L. Norouzi Sedeh
- # 1405. Analytical Model for Doppler Frequency Variations of Ionospheric HF Sounding Caused by MHD Waves
V. Pilipenko
- # 2641. Evidence of Pc3-4 Cavity Modes Observed in CHAMP Satellite Magnetometer Data
P. Sutcliffe

A041 Rock Magnetism - Recent Advances in Rock and Mineral Magnetism
 Organisers: IAGA Div I

- # 3229. Three-dimensional micromagnetic modelling of greigite (Fe₃S₄): domain structures and hysteresis properties
L. Chang
- # 2373. Frequency spectrum of AC magnetic susceptibility: A new rock magnetic property measured by a new device
K. Kodama

2959. Dislocations in magnetic minerals
A. Newell

A062 Coupling in the atmosphere-ionosphere-magnetosphere system and its response to external forcing and forcing from below - Low Latitude Atmosphere-ionosphere Coupling Processes and Responses to Forcing from Lower Atmosphere and Magnetosphere

Organisers: IAGA Div II and Div III

- # 621. Ionospheric Plasma Bubbles Dynamics in the Brazilian Sector Using OI 630.0 nm Emission Imaging
J. Abalde
- # 1094. Comparison between the Total Electron Content (TEC) and the foF2 frequency over an Equatorial region during a solar maximum (year 2000) and minimum (year 2008) using GPS and Ionosonde measurements
M.A. Ameen
- # 2715. The impact of sudden stratospheric warming on low latitude ionosphere over Brazil
I. Batista
- # 1822. Ionospheric Variability over a Brazilian site under the Southern Crest of the Equatorial Ionization Anomaly during the last Solar Minimum Period
C. Candido
- # 548. Equatorial Spread-F studies in the South American sector during low solar activity
P.R. Fagundes
- # 1805. The Rule of the Magnetic Activity on Observation of EEJ Plasma Irregularities in the Peruvian Sector Based on Two Years of Radar Sounding Data
L. Guizelli
- # 1060. Differences in the Cosmic Noise Absorption as seen by SARINET during Sept. 3, 2008 Moderate Geomagnetic Storm
J. Moro
- # 1030. Quiet time Variability of Daytime Vertical ExB Drift in the Indian Sector
A. Patra
- # 1139. Atmosphere - Ionosphere Coupling at low latitudes by 16 day waves
D. Ramani
- # 1800. Climatological Study of the Es-Layers Behavior over Equatorial Region during Disturbed Periods of Solar Cycle 23
L. Resende
- # 1808. Dependence of equatorial evening vertical drift on solar flux over Brazilian region
A. Santos

- # 2729. Geoid determination using heterogeneous data under the theory of integrated geodesy
Y.M. Wang
- # 2730. Aspects of NGS' gravity and geoid errors
Y.M. Wang

Monday 4 July 2011

IAHS

HW06 Expert judgement versus statistical goodness-of-fit for hydrological model evaluation
Organisers: ICSW, ICWRS, STAHY

- # 475. Automatic Calibration of a Conceptual Rainfall-Runoff Model using simultaneously several Hydrological Events
J.C. Bertoni
- # 5901. The effect of choice of calibration Criteria on Hydrological Model Performance
H. Dakhlaoui
- # 5816. How is hydrological modelling at large improving?
M. Ferraresi
- # 1461. Automated Detection and Categorization of Hydrograph Errors for Updating Operational Hydrologic Models
A.S. Gragne
- # 3315. The Effectiveness of Hydrological Models Sreamflow Prediction With Better Representations Of Data And Model Uncertainties: Incorporating Sequential Monte Carlo Sampler With Hierarchical Mixtures Of Experts.
E. Jeremiah
- # 524. Performance of a conceptual model in a complex river system and with scarce data: Case of Letaba River system
Z. Katambara
- # 3357. Use of Multiple Data Types to Evaluate and Diagnose Weaknesses in Hydrological Models
H. McMillan
- # 180. Evaluation and Comparison of Model Performance: A Case Study Using MOPEX Materials
O. Nasonova

HW08 Tracer hydrology as a tool for estimating flow parameters, groundwater dynamics, pollution transport and bioremediation processes in heterogeneous systems
Organisers: ICT, ICGW

- # 2015. Distribution of oxygen-18 and deuterium in streamwaters across Japan
M. Katsuyama
- # 2292. Isotopic Assessment Of Groundwater-Wetlands Dynamics, Pollution Sources And Natural Attenuation Processes In A Sector Of The Doñana Ramsar Site, SW Spain
M. Manzano
- # 1510. Simplified Mathematical Models for Tracer Transport in Layered Aquifer Systems
R. McKibbin

- # 2507. Continuous Variation of Mean Transit Time with Streamflow at Toenepi Catchment Shown by Tritium Measurements
M. Stewart
- # 5466. Integration of Tracer and Numerical Modeling Approaches to Investigate the Groundwater Flow System in a mountainous catchment, Mt. Tsukuba, Central Japan
M. Tsujimura

HW14 Education in the hydrological sciences
Organisers: EDU

- # 5504. Teaching Hydrological Modelling as a Subsidiary Subject
K. Bieger
- # 328. Virtual Boat of Knowledge for Water Resources Education
T. Chang
- # 1398. Public participation in measuring the rainfall, provides adequate measurement and water education
S. Sarah

JHW01 Integrated flood management
Organisers: IAHS (ICSW, ICWRS), IAMAS, WMO, BOM Australia

- # 4447. Drain London: Collaborative Flood Risk Management in a Complex Urban Environment
K. Chandler
- # 5421. A proposal for mitigation of floods in main colombian rivers
L. Donado
- # 1132. Integrated real time flood forecasting with Extended Kalman filter and meta-Gaussian error modeling on the Lo river basin (Vietnam)
N. Hoang Son
- # 4932. Flood disaster monitoring in the north-eastern Australia with ALOS/PALSAR observation
N. Kawano
- # 146. Estimation of the flooded area of the inner delta of the river Niger in Mali by hydrological balance method and by satellite data
G. Mahe
- # 1304. Comparison of Different Flow Characteristic Results Using Integrated Hydrodynamic Models (SOBEK & HEC-RAS), Barcelonnette Basin, France
A. Ramesh
- # 5699. Verification of Short Term Precipitation and Streamflow Forecasts for the State of Ceara, Brazil
D. Reis
- # 3395. Analysis of Hazard and Damage of Pakistan Flood 2010 with Rainfall-Runoff-Inundation Model
T. Sayama
- # 5440. Assessment on Design rainfall and Flood Risk Variation Considering the impact of Climate Change
K.H. Son

- # 1365. A Short-term Flood Forecasting Model Based on Chaotic Theory
H. Xianfeng

JHW03 **Impacts of changing climate, snow and ice on mountain hydrology**
 Organisers: IAHS (ICSIH, ICLAS, ICRS, ICGW, ICSW, PUB), IAMAS, IACS

- # 597. The effect of Cryosphere change on hydrology and ecosystem in China
Y. Ding
- # 4618. Changing Hazards and Snow Conditions at 2 ka and the Present Determined from Debris-flow Deposits at Misti Volcano, Southern Peru
C. Harpel
- # 4722. Climate Driven Changes of Hydrological Dynamics in Tributary Catchments of the Endorheic Glacial-fed Nam Co, Tibet
J. Helmschrot
- # 1857. Climate Change and the Great Snowforest of Canada
H. Knudsvig
- # 469. Groundwater temperature increase and isotope trends in porous aquifers and springs: Difficult parameters in climate change research
M. Kralik
- # 5514. A hydrological simulation using downscaling output data for the Lena river basin
X. Ma
- # 5362. Climate change and streamflow: a contribution to study of hydroclimatic trends of a north Italian basin 1920-2007
D. Pavanelli
- # 5909. Analysis of the climate and its hydrological impact in the basin of the central Andes (Cordillera Real and Cordillera Blanca)
C. Ramallo
- # 4603. Snow chemical study in the Japan Alps
K. Suzuki
- # 150. Glacier runoff response to the climate change during 1990 and 2008 in Hailuoguo glacier, Mt. Gongga, China
S. Xiangyang

Monday 4 July 2011

IAMAS

-
- M14** **Stratospheric processes and their role in climate focused on the Southern Hemisphere**
 Organisers: IAMAS (ICMA), WCRP (SPARC), IGAC
-
- # 4253. Decadal Changes In Downward Stratosphere-Troposphere Wave Coupling In The Southern Hemisphere And The Role Of Ozone Depletion
N. Harnik
- # 3277. Long-term Behaviour of Zonal Asymmetry in Antarctic Stratospheric Ozone
A. Klekociuk
- # 5215. Long term changes in the upper stratospheric ozone from Umkehr measurements over Antarctica.
I. Petropavlovskikh

- # 963. Assessing the influence of ozone hole depletion and recovery on Southern Hemisphere hydrological climate change
A. Purich
- # 1341. An Idea To Heal The Ozone Hole In The Southern Hemisphere
A. Sahu

Monday 4 July 2011

IAG, IASPEI

JG06/JS06 **Tectonic Geodesy and Earthquakes**
 Organisers: IAG, IASPEI
 Co-Sponsors: IASPEI, IAG

- # 541. Post-seismic Slip and Deformation on the Luhuo Segment of the Xianshuihe Fault Zone
D. Fang
- # 5316. Inversion of interplate coupling beneath Tokai region using GEONET data
R. Ikuta
- # 816. Crustal Deformation Model for M8.0 Wenchuan Earthquake with GPS data
L. Li
- # 1600. Crustal Deformation signature in the Northeast India Himalaya determined from seismic moment tensor and GPS
M. Ponraj
- # 802. Inverse analysis of crustal deformation using GPS measurements before and after Wenchuan 8.0Ms earthquake
J. Wu
- # 3391. Tectonic Dynamics of the BayanHar Block and the Correlation of Major Earthquake Sequences on the Eastern and Northern Boundaries of the Block
W. Xue-ze
- # 1222. Stress regime in southern Peruvian Altiplano plateau and relationship with neotectonics
I. Zevallos

Monday 4 July 2011

IASPEI

JS02 **Heat Flow, Tectonics, and Geothermal Energy**
 Organisers: IASPEI

- # 1641. Boundary Layer Growth in Finite Half-Space: An Improved Model for Regional Variations of Heat flow and Bathymetry of the Oceanic Lithosphere
R. Cardoso
- # 2407. Ground-air temperature coupling: Results of long-term temperature-time monitoring at two experimental borehole sites in the Czech Republic
V. Cermak
- # 2285. Rock Permeability Estimation based on Chemical Tracer Observation using Ensemble Kalman Filtering – the Soultz-sous-Forêts Case
C. Clauser
- # 2297. Rock heterogeneity imaged by on the optical scanning of thermal conductivity
C. Clauser

- # 5988. The Geothermal Exploration Of Campanian Volcanoes: State Of Art
G. De Natale
- # 663. A Role of Thermal Effusivity in Heat Transfer through the Upper Active Layer
D. Demezhko
- # 2448. Searching for a Better Place to Demonstrate Geothermal Power in China
S. Huang
- # 846. Heat Flux From Vapor-Dominated Areas in the Yellowstone Plateau Volcanic Field
S. Hurwitz
- # 1007. Measurements of thermal conductivities under high pressure in core samples from an ocean scientific drilling project
W. Lin
- # 2420. An example of air-ground temperature coupling and shallow subsurface thermal regime: data from Portugal, Slovenia and Czech Republic
J. Safanda
- # 4481. Surface heat flux at Whakarewarewa Geothermal Field, New Zealand
S. Van Manen
- # 765. Characteristic of Magnetic Anomalies and Curie Point Depth at Northern Continental Margin of the South China Sea
W. Zhaocai

JS09 Electromagnetic Studies of Earthquakes, Active Faulting and Tsunamis

Organisers: IASPEI, IAGA, IAVCEI

- # 1178. Astro-Tectonic Coordinate System And The Results Of Subterranean Electrical Measurements On Kamchatka And Italy
V. Bobrovskiy
- # 1024. Interconnection between geoelectrical inhomogeneities and strong earthquakes distribution in the Northern Tien Shan seismogenic zone
A. Rybin

JS10 Electromagnetic studies of active processes using space technology

Organisers: IASPEI, IAGA, IAVCEI

- # 5010. Coseismic Ionospheric Disturbances in the Southern Hemisphere
E. Astafyeva
- # 1964. The New Software for DEMETER data visualization and mapping
A. Lozbin

S02 Triggered and Induced Seismicity

Organisers: IASPEI, IAGA, IAVCEI

- # 918. Evidence That The 2008 Mw7.9 Wenchuan Earthquake Could Not Have Been Induced By The Zippingpu Reservoir
K. Deng
- # 2203. Reservoir Triggered Seismicity in Brazil
G. Franca

- # 3102. The Artificial Impact to the Medium and Possibilities to Manage Its Stressed State
I. Kerimov
- # 5482. Features of seismic events flow during experimental electromagnetic Soundings at Bishkek geodynamic test site (North Tien Shan)
S. Nailia

S07 Strong Ground Motions; their source, path, and site effects

Organisers: IASPEI, IAGA, IAVCEI

- # 2866. The June 23 2010 Mw 5.0 Val-des-Bois, Quebec intraplate earthquake generated the strongest shaking in Ottawa's history
J. Adams
- # 3649. Determination The Site Characteristics Of KMA Seismic Stations Using Microtremor Data
K. Hye Seon
- # 2249. Comparison of the Strong Ground Motion Data from Intraslab and Interplate Earthquakes in the Northeastern Japan Island Arc and Their Relation to Island Arc Structure
Y. Kakehi
- # 1046. Site Effects Assessment Using Empirical Methods in Tehran, Iran
S. Mehrabian
- # 1884. Evaluation of Effect of strong ground motion on Residual Drift of Steel Frames Designed with Direct Displacement-Based Design Method
E. Moaddab
- # 1885. Analytical Study of Strong Ground Motion Effects on Progressive Collapse of Buildings
N. Parsaeifard
- # 2710. Nonlinear soil behavior at the Kashiwazaki-Kariwa Nuclear Power Plant during the Niigata Chuetsu-Oki earthquake (July, 16 2007)
O. Pavlenko
- # 5914. Generation of Upgraded Endurance Time Acceleration Functions Based on the Characteristics of Strong Ground Motions
H. Tajmir Riahi
- # 4370. Seismic ground rotations from the wave passage effects - a stochastic approach
Z. Zembaty

S09 Earthquake Early Warning Systems

Organisers: IASPEI, IAGA, IAVCEI

- # 3637. The ALERT-ES Project for Earthquakes in Cape San Vicente Region
E. Buforn
- # 1756. Test of a threshold-based Earthquake Early Warning method using Japanese data
S. Colombelli
- # 4325. A Summary of Recent Real-Time Performance of the Virtual Seismologist (VS) Earthquake Early Warning Algorithm in California and Switzerland
G. Cua
- # 3563. Improved Combination of Multiple Stations for Magnitude Estimation in Earthquake Early Warning Systems
M. Hildyard

- # 3445. Expectation of ground motion using real time data of neighbor stations -A method of seismic intensity expectation without earthquake source parameters in EEW-
M. Hoshiba
- # 5890. Seismic Early Warning in Iceland
K.S. Vogfjord
- # 1930. The low cost earthquake early warning network: application of MEMS accelerometer
Y. Wu

S12 Episodic Tremor, Slip, and Large Earthquakes

Organisers: IASPEI, IAGA, IAVCEI

- # 5392. Detection of short-term slow slip events in southwestern Japan using GPS data
T. Nishimura

Monday 4 July 2011

IASPEI

S12 Episodic Tremor, Slip, and Large Earthquakes

Organisers: IASPEI

- # 5622. Depth-dependent behaviour and interaction of slow earthquakes along the plate interface in Nankai subduction zone
K. Obara
- # 4828. Complementarity of Coseismic slip, Afterslip and Slow Slip on the Western Nankai Trough Plate Boundary
T. Sagiya
- # 3067. Existence of Interplate Aseismic Slip around 1990 in Bungo Channel, Southwest Japan, Inferred from Continuous Observations of Strain in a Vault
K. Yamazaki

Monday 4 July 2011

IAVCEI

V07 Subaerial and Subaqueous Lava flows

Organisers: IAVCEI

- # 1789. Remote Assessment of Glassy and Vesicular Textures on Silicic Lava Domes through Intensity and Amplitude Analysis of Ground-based LIDAR Data
S. Anderson
- # 4080. The development of compound lava flow fields: insights from the 2008-9 eruption of Mt Etna, Sicily
J. Applegarth
- # 1677. Multidisciplinary investigation on the intracrater effusive activity occurred at Stromboli volcano between 2007 and 2010: recent structural changes as a possible origin?
S. Calvari
- # 1560. Bifurcating Lava Flows in Hawai'i: Implications for Flow Advance and Morphology
H. Dieterich

- # 1251. Surface structures on a young lava flow; topographic, rheological and ground determining factors for their development (Garrotxa Volcanic Field, NE Spain)
G. Gisbert Pinto
- # 2756. Support Vector Machine for predicting lava flow effusion rate at Mt. Etna
V. Lombardo
- # 1918. Isothermal kinetics of channeled viscoplastic lava flows
J. Robertson
- # 5206. Pattern of the Stromboli's recent effusive activity by fixed, portable and satellite infrared data
L. Spampinato
- # 4636. Emplacement mechanism of submarine large sheet flows from the Oman Ophiolite
S. Umino
- # 5841. Dome-forming Eruptions around the North Pacific: a Comparison of Their Thermal Signatures
S. Van Manen
- # 4763. Cooling history and formation process of obsidian lava from the Shirataki obsidian-rhyolite lava complex, northern Hokkaido, Japan
K. Wada
- # 4295. Constraints on the Partitioning of Kilauea's Lavas Between Surface Flows and Tubed Flows, Estimated from Infrared Satellite Data, Sulfur Dioxide Flux Measurements, and in Situ Observations
R. Wright

V12 Tectonic Controls on Volcanism

Organisers: IAVCEI

- # 1863. Eocene accretion of the gorgona terrane and the tumaco forearc basin formation in western colombia (s.a.)
C. Borrero
- # 1924. Subduction-related signature in late-variscan lamprophyres from the catalonian coastal ranges (northeast spain)
Z. França
- # 2243. Imaging the magmatic system of the Tongariro Volcanic Complex, New Zealand: Preliminary Results from Magnetotellurics
G. Hill
- # 4810. The Petrogenesis of the Quaternary Basaltic Rocks of Gorveh, in North of Bitlis Zagros Suture Zone, Western Iran
M. Kheirkhah
- # 5978. Volcano-tectonic evolution of Mt. Kanlaon (Negros Island, Philippines): a contribute to the comprehension of future volcanic unrest scenarios
M. Neri
- # 5101. The Wallaby Plateau: A Complex Structural High at the Outer Corner of a Rift-Shear Margin Transition
S. Planke
- # 3950. Vesuvius Volcano-Tectonic History - A New Perspective
C. Principe

- # 2780. Morphometric analysis methods for submarine volcanoes, application to the Kermadec Arc, SW Pacific
S. Wormald
- # 908. Miocene arc-type volcanic system and related vein-type epithermal mineralisations from Gutâi Volcanic Zone (Eastern Carpathians, Romania)
M. Kovacs

Monday 4 July 2011

IAVCEI

V20

Organisers: IAVCEI

- # 1408. Miocene volcanics and porphyry-type deposits at Cañada Honda district, Pampean flat-slab of the Central Andes (33°S)
P. Sruoga
- # 3337. On mineralization in the eruptive crater of the molodoy shiveluch volcano (Kamchatka) in the inter-eruptive (1964-1980) period of its activity
L. Vergasova

Monday 4 July 2011

IAMAS

JM10 Monsoons, Tropical Cyclones and Tropical Dynamics

JM10PS2 Tropical Cyclones

Organisers: IAMAS (ICCL,ICDM), IAPSO, IACS, IAHS,GEWEX, CLIVAR

- # 6048. Satellite altimetry sees large tropical cyclone Yasi towards Queensland, Australia
X. Deng
- # 5827. Tropical cyclone count forecasting using a dynamical Seasonal Prediction System: sensitivity to improved ocean initialization
A. Alessandri
- # 1564. The Combined Influence of El-Nino and Western North Pacific Tropical Cyclone Activity on the Rainfall over Monsoon Asia during Active Tropical Cyclone Season of July to October
M. Ariffin
- # 5495. Typhoon Rainfall in Taiwan: Interactions among TCs, terrain, and monsoons
C. Chang
- # 522. The Different Impacts of Two Kinds of Pacific Ocean Warming on Tropical Cyclone Frequency over the Western North Pacific
G. Chen
- # 6056. Prediction and diagnostics for Tropical Cyclone Yasi
N. Davidson
- # 1331. Interaction between a Simulated Typhoon-like Vortex and Purely Thermal Perturbations
H. Hong
- # 1239. Upper Ocean Response to Tropical Cyclones in Western North Pacific
J. Jiang
- # 4508. Relationship between Rainfall Intensity and Pressure Fall Rate of Tropical Cyclones Examined Using GSMaP Precipitation Data
Y. Kodama

- # 2116. Pacific Climate Change Science Program: Southern Hemisphere Tropical Cyclone Data Portal
Y. Kuleshov
- # 2657. Seasonality of Super Typhoon activities in the Western North Pacific
C.Y. Li
- # 1086. The Effect of Tibetan Plateau heating on Western North Pacific Typhoon Activity
X. Liu
- # 1224. The Diagnoses of Quai-balanced Flow in Asymmetric Strong Hurricane.
H. Lu
- # 1225. A Theory for Mixed Vortex Rossby- Gravity Waves in Tropical Cyclones
H. Lu
- # 1145. Comparisons of the Pressure Wind Relationship for Tropical Cyclones in Three Major Ocean Basins and Data from Two Different Centers
S. Moten
- # 930. The Modulation of Typhoon in Northwestern Pacific Ocean Area by Madden-Julian Oscillation
J. Pan
- # 4068. Examining the Structure and Evolution of a Developing and a Non- developing African Easterly Waves During the 2006 NAMMA Campaign Using the Hurricane Weather Research and Forecast (HWRF) Model: A Data Assimilation Impact Approach
N. Ramos
- # 1479. Westerly Wind Bursts and their Relationship with ENSO in CMIP3 Models
A. Seiki
- # 795. Boundary Layer Wind Structure in Simulated Typhoon Saomai (2006)
X. Tan
- # 988. Influence of Tropical India Ocean Basin Warming on Tropical Cyclone over Western North Pacific
L. Tao
- # 1422. Tropical Storm Decadal Variability in the North Atlantic and Pacific
W. Tseng
- # 937. Systematical Model Errors in Simulating Cloud Cover during Tropical Cyclogenesis
Y. Wang
- # 1575. A Bayesian seasonal forecast model of Australian region tropical cyclone formation
A. Werner
- # 1337. The research on tracks and Characteristics of Binary Tropical Cyclones Interaction over the Western North Pacific Ocean
H. Xiaogang
- # 1608. The variability of Tropical Cyclone in the High Frequent Occurrence regions in the Western North Pacific and Associated with General Circulation
Y. Yang
- # 950. Assessments on Simulation of Dynamic Environment of Tropical Cyclone over Western North Pacific in IPCC-AR4 Models
J. Yu

Tuesday 5 July 2011**IAGA****A042 Rock Magnetism - Rock Magnetism, Magnetic Petrology and Magnetic Anomalies**

Organisers: IAGA Div I and Div V

- # 4261. Remanent Magnetic Anomalies and Effects of Exsolution Lamellae on Magnetic Properties of Crustal Rocks
L. Brown
- # 1295. An effective method of enhancing magnetic data using normalized derivatives
J. De Souza
- # 5083. Submersible Magnetic Observations at a Back-arc Spreading Center of the Mariana Trough at 17°N
T. Fujiwara
- # 3282. Some Quantitative Textural Measures of Magnetic Survey Data
M. Gettings
- # 4970. Paleomagnetic studies, and of rock magnetism in Cenozoic basalts outcropping in northern Neuquén and southern Mendoza provinces, Argentina: this geodynamics implications
R. Guillermo

Tuesday 5 July 2011**IAGA****A061 Coupling in the atmosphere-ionosphere-magnetosphere system and its response to external forcing and forcing from below - Coupling Processes in the Atmosphere-Ionosphere System**

Organisers: IAGA Div II

- # 4060. Planetary Waves and Winter Anomaly of Ionospheric Absorption in East Asia Sector
Y. Hao
- # 2489. Use of Television Broadcasting Signals for Mesosphere/Lower Thermosphere Wind Measurements by the Meteor Radiolocation Method
C. Jacobi
- # 4955. Three dimensional Mars• f exosphere : multi-species thermal and nonthermal models
R. Modolo
- # 1722. Study of the Thermospheric Midnight Temperature Maximum in the Brazilian sector using OI 630 airglow during different solar activity conditions
C. Sarzi Machado
- # 1775. Observation of a Stratospheric Secondary Ozone Maximum at European High Latitudes
R. Werner

A083 Space plasma processes - Understanding the physical processes that drive tail and substorm dynamics

Organisers: IAGA Div III

- # 5478. On the Relationship Between Recurrent Substorm-Related Activations and IMF variations
C. Cheng
- # 514. Simulating chorus generation via Particle-in-cell simulations
A. Collier
- # 1636. Substorms during Sheath- and CIR structures in the solar wind
I. Despirak
- # 3499. Discrete Structures in the Magnetotail Lobes
R. Koleva
- # 3501. Multi-point Investigation of the Magnetospheric Response to Complex Interplanetary Driving: a Case Study
R. Koleva
- # 4468. A statistical study of auroral upward field-aligned current using THEMIS electron data
S. Lee
- # 4372. Statistical Relationship Between ULF Wave Activity in IMF and the Cross Polar Cap Potential Drop
L. Lyons
- # 2997. High Beta Disruptions in the Earth's Magnetosphere: The Substorm
J. Samson

A091 Magnetosphere-ionosphere coupling - The plasma sheet - ionosphere, a coupled system: Sinks, sources, transport and the roles of field-aligned currents and ion outflow

Organisers: IAGA Div III and Div II

- # 2977. Dayside field-aligned current source regions
S. Wing

A093 Magnetosphere-ionosphere coupling - Interhemispheric Conjugacy-nonconjugacy Effects and Coupling Processes

Organisers: IAGA Div III and Div II

- # 4788. Winter-summer asymmetry of auroral intensities in a global magnetosphere-ionosphere MHD simulation
S. Fujita
- # 4718. Dayside Outer Magnetosphere Pc2 EMIC Waves: CLUSTER and Ground Observations
Y. Liu
- # 3689. Tail Reconnection for IMF Northwards, Non-substorm Intervals: the Influence of By
J. Rash
- # 5169. Displacement of conjugate point during a substorm in a global MHD simulation
S. Saita
- # 1112. Observations of Near-conjugate High Latitude Substorms and Their Low Latitude Implications
A.K. Sinha

**A112 The Sun and the Heliosphere:
Physical Processes - Origin of the
Solar Magnetism. The Solar Dynamos**

Organisers: IAGA Div. IV

- # 1039. Modeling of differential rotation of rapidly rotating stars
H. Hotta
- # 2317. Magnetic advection due to diffusivity gradients
E. Zita

**A121 Space Weather and Space Climate -
Quantitative Prediction of Space
Weather**

Organisers: IAGA Div IV

- # 5857. Real-time Space Weather Forecasts Via ASTRA's Android Phone App
G. Crowley
- # 1739. New methodology of global muon detector network observing geomagnetic storm's precursor
M. Da Silva
- # 1818. Studies of Interplanetary Structures using Cosmic Rays and Satellite Observational Data
M.R. De Souza
- # 3889. Early Alert of Solar Radiation Hazard
P. Evenson
- # 4549. Ionospheric Scintillation monitoring using GPS
M. Francis
- # 3677. Solar wind and interplanetary magnetic field: interlink between processes on the Sun and geomagnetic activity
P. Hejda
- # 3636. Parallel GUMICS
I. Honkonen
- # 1586. A new method for forecast of peak and ascent time of solar cycle
B. Kakad
- # 3500. Recent Observations of Space Radiation Environment in a Human Phantom onboard ISS
R. Koleva
- # 2898. MHD Modeling of Real CME Events
J. Linker
- # 1727. Initial results in operational ionospheric dynamics prediction in Brazilian Space Program
A. Petry
- # 1728. Multi-directional Muon Detector automatic barometric calibration
A. Petry
- # 1273. Study of Space Weather Conditions during Solar Eclipse Days
A. Singh
- # 3736. The Low Latitude F-region Irregularities Response to the Geomagnetic Storm
Y. Sun
- # 3329. Statistical Characteristics of Energetic Electron Precipitation and VLF Emissions at Syowa Station During Sudden Commencements
H. Tadokoro
- # 4947. On the Location of the Terrestrial Magnetopause and Bow Shock under Extreme Solar Wind Conditions
M. Tatrallyay

- # 4948. Statistical Analysis of Energetic Storm Particle Event Parameters
M. Tatrallyay
- # 1138. Influence of Interplanetary Drivers on Geomagnetic Storms: Space Weather Aspects
Y. Yermolaev
- # 2691. The main phase evolution for magnetic storms driven by different solar wind streams
Y. Yermolaev

**A142 Lithospheric field and related
geological/tectonic implications -
Seismological and Tectonic
interpretation of geomagnetic data
combined with other geophysical
results**

Organisers: IAGA Div V

- # 4299. Interpretation of magnetic anomalies in the Eastern Tennessee Seismic Zone from 3D Euler deconvolution
P. Arroucau
- # 4007. Oceanic Spreading in the Bransfield Strait (West Antarctica) from Magnetic and Gravity Data
M. Catalan
- # 4971. Imprints of Rodinia break-up revealed in interior East Antarctica
F. Ferraccioli
- # 1480. Magnetic anomaly analysis of Yinshan orogen and northern Ordos basin regions and its tectonic implications
R. Xiaomin

**A144 Lithospheric field and related
geological/tectonic implications -
Multifaceted geophysical and
geological investigations of the
lithospheric structures**

Organisers: IAGA ICDC and Div V

- # 1539. Resistivity Structure of Volcanic Zones derived from Magnetotelluric Data using Phase tensor and Induction Vector Analysis
N. Hasan
- # 1630. Electrical Signatures Of The Crust And Upper Mantle Structure Of The Kutch Using Magnetotelluric Study
D.G. Naidu
- # 2711. Integrated Gravity and Geomagnetic Induction Studies of Lithospheric Structures Beneath Intracratonic Parana and Chaco-Parana Basins in South America
A. Padilha
- # 825. Electrical anisotropy in the Main Central Thrust Zone of the Sikkim Himalaya
G. Pavankumar

A161 History sessions focused on IAGA subdisciplines - The History of Space Weather Forecasting
 Organisers: IAGA Inter-Divisional Commission on History

- # 5038. The Development of the International Space Environment Service
D. Boteler
- # 5039. Development of Space Weather Forecasting in Canada
D. Boteler
- # 4143. History of Creating Space Weather Structure in the Frames of WMO.
V. Burov
- # 3952. Some results of magnetic and ionospheric studies in vietnam
H.D. Chau
- # 4525. History of the International Geophysical Calendar
H. Coffey
- # 4478. Historical Overview of the Space Weather Activities in Brazil of the ISES Regional Warning Centre
C. De Nardin
- # 5964. Early Space Weather Forecasting
J. Kennewell
- # 5965. Historical Rules of Thumb in Space Weather Forecasting
J. Kennewell
- # 3843. Space Weather Activities at RWC-Sweden
H. Lundstedt
- # 2514. Introduction to RWC-China
H. Wang
- # 2551. The Development of the Australian Space Forecast Centre
P. Wilkinson
- # 2555. Forecasting Solar Particle Events - Historical Notes
P. Wilkinson

Tuesday 5 July 2011 IAG

G03 Monitoring and Modelling Earth Rotation
 Organisers: IAG

- # 4082. IERS Working group on Combination of Space Geodetic Techniques at the Observation Level (COL)
R. Biancale
- # 4047. Glacial isostasy and the geoid: Rotational feedback again
R. Drummond
- # 2787. Report of Activities During 2007-2011 of IAG Commission 3 on Earth Rotation and Geodynamics
R. Gross
- # 3013. Operational automated analysis of ultra-rapid VLBI UT1-experiments with c5++
T. Hobiger
- # 5053. Analysis of the Angular Momentum Budget in an Earth System Model
K. Matthes

- # 3618. Assimilation of Earth Rotation Parameters into an Atmosphere Model
L. Neef
- # 3846. Multi-technique EOP values and Geodetic Excitation Functions at ASI-CGS
R. Pacione
- # 2095. ERIS - The Earth Rotation Information System
B. Richter
- # 2096. IVS combination centre at BKG – Combined solution vs. individual solution
B. Richter
- # 3847. Study of Parametric Resonance in Earth Nutation
Y. Rogister
- # 5860. The Rotational Modes of a Triaxial Convecting Earth
A. Trinh
- # 1013. On the Probe Orbit Elements and EOPs with Relativistic Delta VLBI Model of CE-1
W. Yan
- # 1014. Analysis of the EOPs and Positioning Parameters of Probe with CE-1j's VLBI and Differential VLBI Observations
W. Yan
- # 3912. The research of using the progressive moment of the magnetic levitation gyro station to measure the the earth rotation parameters
Z. Yang

Tuesday 5 July 2011 IAHS

H02 Cold regions hydrology in a changing climate
 Organisers: ICSIH, PUB

- # 198. Spatial-temporal Variation of Monthly Average Temperature in China during 1961-2009
Z. Hao
- # 246. Hydrological Forecast of the Yangtze River Basin Under the Future Climate Scenario of IPCC AR4
Q. Ju
- # 149. Seasonal changes in runoff characteristics in an permafrost watershed of Qinghai-Tibet plateau
G. Liu
- # 195. Stream Guiding Algorithm in Deriving Flow Direction from DEM and Location of Main Streams
J. Wang
- # 247. Impact of Human Activities on the Streamflow in Huaihe River Basin, China: Analysis and Simulation
C. Yang
- # 336. Streamflow analysis for the Yana basin in Eastern Siberia
D. Yang

H03 Risk in Water Resources Management
 Organisers: ICWRS, ICSW, ICWQ,

- # 446. Reducing the uncertainty associated with water resources planning in a developing country basin with limited runoff data through AI rainfall-runoff modelling
A. Adeloje

- # 123. Risks in hydrological modelling due to uncertainties in discharge determination
M. Booij
- # 99. Prévention du risque pluvial par l'élaboration des courbes intensité- durée-fréquence (IDF) : Application à la ville de Tipasa dans le Nord Ouest Algérien
M. Boukhelifa
- # 221. Over exploitation of ground water a threat to sustainable productivity and food security
M. Brar
- # 201. Zoning groundwater flooding risks in the cities and urban agglomerations areas of Ukraine
O. Chebanov
- # 273. Applying skill and cost-loss analysis to deterministic and probabilistic nutrient concentration predictions
J. Exbrayat
- # 216. Daily Reservoir Operating Rules by Implicit Stochastic Optimization and Artificial Neural Networks in Semiarid Brazil
C.A.S.D. Farias
- # 441. Assessment of extreme flood characteristics based on a dynamic-stochastic model of runoff generation and the probable maximum discharge
A. Gelfan
- # 229. Physically-based groundwater vulnerability assessment using sensitivity analysis methods
P. Goderniaux
- # 430. Multi Model approach in flood forecasting systems and flood hazard map preparation at the local and regional scale
G. Grossi
- # 476. Risk-Based Assessment of Water Availability in a Changing Climate
A. Kasseem
- # 454. The Risks of Agricultural Development and Irrigation in the Countries of the Mediterranean Basin
M.A. Lange
- # 390. The risk analysis from the uncertainty in water resource allocation and the adaptation for the Songhua River Area, China
S. Liu
- # 153. Assessing the impacts of global changes on the water resources of the Mediterranean basin
M. Milano
- # 388. Incorporating hydrologic reliability in rural rainwater harvesting and run-of-river supply
J. Ndiritu
- # 231. Uncertainties in Water Supply and the Impact on Human Development in Nigeria
S. Odunuga
- # 211. The Application of Rural Threshold Water Consumption Model in Water Supply Studies
I. Okeke
- # 448. Application of a particle swarm optimization to the tank model
C. Santos
- # 112. Evaluation of combined contribution of uncertainty sources to total output uncertainty in water resource estimation in South Africa
T. Sawunyama
- # 444. Evaluating potentials and corresponding risks of optimal deﬁcit irrigation strategies under climate change and other sources of uncertainty
N. Schuetze
- # 208. Managing Socio-economic and Hydrological Risks in the Northeast India
U. Sharma
- # 424. Small farm dams research project in the semiarid northeastern region of Brazil
A.C. Souza Da Silva
- # 183. Elaboration of Products Derived from Geospatial Data for Flooding Risk Analysis in Romania
G. Stancalie
- # 371. Uncertain rating curves: implications for streamflow data, modelling and decision-making
K. Tomkins
- # 271. Influence of Various Factors on Controlling the Groundwater Levels in Hard Rock Terrain and its Importance in the Management of Groundwater
B. Umrikar
- # 458. Modelling the groundwater dynamic of Iska fan aquifers
G. Vizintin
- # 342. Water demand forecasting under changing environment: a system dynamics approach
X. Wang
- # 178. Precipitation Generation from Global Climate Models for the Qingjiang River Basin
L. Xiong
- # 445. Development and Application of Water Allocation Model based on ET-Control
J. You
- # 129. Determination of Inundation Area Based on Flood Hazard for a Global Water Risk Assessment
K. Youngjoo

H04 Assessment of water quality under changing climate conditions
Organisers: ICWQ, ICCE, ICWRS, UNESO

- # 451. Geochemical properties of floodplain sediments of rivers of the European Russia as indicators for particle-bound pollutant transport in fluvial systems
V. Belyaev
- # 147. Long term forecasting of flow and water temperature for cooling application Case study of the Rhone river (France)
M. Bourqui
- # 370. Assessment of Water Quality Variation in Amite River Watershed under Changing Climate and Land Use
Z. Deng
- # 257. Nonpoint-source nutrient losses in interflow affected by winter processes
C. Han
- # 383. Assessment of water quality under changing climate conditions in Haihe River Basin, China
Y. Jia
- # 409. 100 years variation in nutrient discharge reconstructed, using vertical nutrient profile of sediment in an artificial river mouth lake of Seto Inland Sea, Japan
G. Jin

- # 197. Groundwater Quality Assessment Using the Fuzzy Variable Set Model
H. Li
- # 368. Nitrate contamination of shallow groundwater after a long-term irrigated area in the Yellow River Basin
F. Li
- # 349. A comparison of deflation basin (wetland) soils from wet and dry climatic zones
M. Neave
- # 403. Climate variability and its impacts on the spatial and temporal variation in the quality of groundwater in an island
M.D. Nowbuth
- # 484. Assessment of groundwater quality in parts of Bayelsa State, Eastern Niger Delta, Nigeria
H. Nwankwoala
- # 413. Estimation of Annual Nutrient Discharge Variation, using Runoff and Dissolved Load Relationship in a Suburban River Catchment, Western Japan
S. Onodera
- # 519. Influence of Anthropogenic Activities and Seasonal Variation on Groundwater Quality of Kathmandu using Multivariate Statistical Analysis
D.R. Pathak
- # 200. Rainwater Quality -a measure of industrial development and pollution of ground water
R.P. Patury
- # 347. Assessment of Climate Change and Fertilizers in Water Quality
S.R. Saghravani
- # 113. Development of Water Quality Improvement Strategy Plan for Local City Councils in Western Australia
R. Sarukkalige
- # 428. Effects of agricultural activities on nitrate contamination of groundwater in an Yellow River irrigation district
Y. Shen
- # 416. Effect of Climate Change on Nutrient Discharge to Coastal area, Western Japan
Y. Shimizu
- # 289. Spatial Analysis of the Yamuna River Water Quality in Pre and Post Monsoon Periods
R. Singh
- # 297. Modelling Nitrate Contribution from the Red River to the Atchafalaya River Basin of the northern Gulf of Mexico, USA
Y.J. Xu

HW02 **Understanding and quantifying physical and geochemical processes during artificial recharge of groundwater**
Organisers: ICGW, ICWQ

- # 3403. Effect of Heterogeneity of Hydraulic Conductivity on Groundwater Flow and Spontaneous Potential
Y. Ozaki
- # 4920. Perched water table formation and waterlogging during aquifer recharge in a gradually layered soil
R. Ranzi

HW03 **Regional groundwater modelling: Approaches, challenges, and future directions**
Organisers: ICGW, ICT

- # 5439. Methodology for Calculating Equivalent Field Scale Soil Hydraulic System Parameters Taking Into Account Hysteresis
M. Aureau
- # 4764. Consistency in Regional Groundwater Balance using the Australian Hydrological Geospatial Fabric (Geofabric)
E. Carrara
- # 89. Regional Study of Groundwater and Bedrock Structures
T. Chang
- # 978. Urban Groundwater Extra Influx with Development-Induced Infiltration: Estimation Method
O. Chebanov
- # 1240. A development of dimensional designing equation of a permeable reactive barrier-aquifer system with the consideration of multispecies transport
H. Chen
- # 5044. First results from the hydrogeological experimental site in a volcanic aquifer. Mawari regional Project. Republic of Djibouti (Horn of Africa)
M. Jalludin
- # 493. Inferring the Chemical and Physical Parameters of Groundwater of Some Villages in Sri Lanka for the Occurrence of Fluoride
D. Jayawardana
- # 1563. A delineation of regional hydraulic conductivity based on water table fluctuation
E. Park
- # 278. Assessment of Groundwater with Combination of Support Vector Machine and Principal Component Analysis in an Irrigation District of the Yellow River Basin
S. Shuai
- # 5216. Regional modelling with local detail in the Ogallala Aquifer: Comparison of MODFLOW and a sloping base model
D. Steward

Tuesday 5 July 2011 **IAMAS**

JM04 **Stratosphere-Troposphere-Ocean coupling in weather and climate**
Organisers: IAMAS (ICMA, ICDM, ICCL), IAPSO

- # 3457. Factors Affecting Interannual Variability of Australian Rainfall
P. Baines
- # 1294. Tropical cyclones detection using GPS radio occultation data
R. Biondi
- # 1148. Tropical stratospheric response to major stratospheric warming in Northern winter
B. Ganesan Jaya

- # 2926. Stratosphere-Troposphere Dynamical Coupling during Vortex-Splitting Major Stratospheric Sudden Warming Events in the Northern and Southern Hemispheres
T. Hirooka
- # 3743. Sensitivity of wave instability to the UTLS baroclinicity
T. Iwasaki
- # 4488. Impact of sudden stratospheric dynamical change on the tropical convection and circulation
K. Kodera
- # 932. Submonthly Fluctuations of Northern Hemisphere Zonal-Mean Circulation: Phase Transition and Stratosphere-Troposphere Interactions
X. Li
- # 2219. Influence of Stratospheric Sudden Warmings on the Predictability of the Northern Hemisphere Annular Mode
H. Mukougawa
- # 2963. Phase synchronization between stratospheric and tropospheric quasi-biennial and semi-annual oscillations: an observational study
P. Read
- # 1064. Cyclones over the South Atlantic Ocean in a Synoptic Environment with Appearance of Blocking
M. Simões Reboita
- # 2397. Troposphere-stratosphere exchange in the tropical atmosphere (International Experiment “SCOUT” 2005)
V. Volkov
- # 1490. Summer Persistence Barrier of SST Anomalies in the Northwest Pacific Basin
X. Zhao

M09 **Three-dimensional radiative transfer in the atmosphere**

Organisers: IAMAS (IRC)

- # 1124. Incorporating the natural repulsion effect of plants into a Geometric-Optical model - The distribution of the crown and its projection on a poisson disc distribution assumption
Q. He

M10 **Tropospheric processes and processing: Pollution and biogeochemical cycling**

Organisers: IAMAS (ICACGP)

- # 2488. Long-Term Observations of Pollution from Space
J.P. Burrows
- # 1753. Emission Scenarios for Global Megacity Impact Studies
T. Butler
- # 3290. Comparison of total CO columns simulated from regional chemistry-transport modelling with MOPITT-retrieved total CO columns over East Asia
J.H. Choi
- # 4245. The Measurements of Pollution In The Troposphere (MOPITT) Instrument “ 11 years of Continuous Carbon Monoxide Measurements
J. Drummond

- # 2744. Emissions of atmospheric aerosols by the transport sector in Brazil
M. Fatima
- # 1104. Role of convective and orographic lifting from Northern region of India in modulating tropospheric column ozone: A case study for 2002 severe drought event
S.D. Ghude
- # 1254. Efficiency of a Rotating Particulate Matter Sampler in a Carbon Rich Environment
I. Hetem
- # 3676. Organic composition of aerosol in the remote marine atmosphere
M. Keyword
- # 5024. Contribution of Secondary Organic Aerosol in Urban Air Quality: A Comparison Study of Modelled and Observed SOA
S. Lee
- # 1931. A study of the cloud condensation nuclei activity for urban ambient aerosols before and after oxidation
W. Lin
- # 936. Development of Hail Events in Beijing associated with Mongolian Cold Vortex
H. Liu
- # 1666. The Weather Research and Forecasting-Chemistry (WRF-Chem) over South Asia: Set-up and Evaluation
M. Naja
- # 3283. The impact of NH₃ emissions on aerosol optical depth and aerosol optical properties over East Asia
M.E. Park
- # 2943. Changing Global Ethane Concentrations
C. Paton Walsh
- # 933. Objective evaluation of black carbon emission for Indian subcontinent and its trend in South Asia
S.K. Sahu
- # 4854. Middle and upper tropospheric CH₄ concentrations derived from GOSAT/TANSO-FTS TIR
N. Saitoh
- # 2346. Factors controlling the strength of holiday effect
P. Tan
- # 2542. Atmospheric Greenhouse Gas Observation Network for Southeast Asia-Australia Tropical Region
M. Van Der Schoot
- # 1525. Characterization of particulate matter from a heavily industrialized environment in Brazil
R. Ynoue

Tuesday 5 July 2011

IAVCEI

V02 **Arc Magmatism: The Constructive and Destructive Dynamics of Convergent Margin Magmatism**

Organisers: IAVCEI

- # 1005. The Middle Pumice eruption, Santorini, Greece: welding characteristics of a Plinian air-fall deposit
J. Boyce

5573. Preservation of Geochemical Diversity Signals the Occurrence of Multiple Melting Regimes at the Southern End of the North Fiji Basin

P. Durance

4303. Evolution of the Lesser Antilles arc since the Oligocene inferred from K-Ar dating and geochemical analyses of Martinique Island lavas

A. Germa

1795. Recurrent, Chemically Zoned Explosive Eruptions at Cosiguina Volcano, Nicaragua

M. Longpre

V09 Eruption, Transport and Deposition of Pyroclasts in Plumes Using Field Studies, and Computational Modelling

Organisers: IAVCEI

4908. Products of the January 2011 Eruption at Shinmoedake, Kirishima Volcano, Japan

N. Geshi

3017. Modifying Tephra2 to better describe a horizontally spreading umbrella cloud

K. Mannen

5698. The Central Mediterranean volcanic ash hazard evaluated from geological data

R. Sulpizio

2483. Tephra transport from strong plumes: results from the application of a 3D Cellular Automata model to three large eruptions of Pululagua and Cotopaxi volcanoes (Ecuador)

K. Tsunematsu

V10 The Dynamics of Pyroclastic Density Currents: Field Studies of Their Deposits, Computational Modelling and Experiments

Organisers: IAVCEI

1231. Modeling the 2010 Merapi Pyroclastic Flows

N. Aisyah

604. Dam-break granular collapses using three-dimensional discrete-grain simulations

L. Girolami

3924. Characteristics of proximal ignimbrite of the Sovana Eruptive Unit at Latera Caldera, Vulsini Volcanic District, Italy

S. Melander

3538. Run out increase of pyroclastic flows caused by substrate erosion: An experimental study and its Implications

O. Roche

2414. Study of distal Pyroclastic-flow stratum from Tianchi volcano in 1215 eruption: Pyroclastic-flow over water

B. Zhao

V14 Monogenetic Volcanism: Magma Sources, Ascent and Eruption

Organisers: IAVCEI

1486. Geophysical and volcanological insights into the subsurface morphology and eruptive history of the Red Rock Volcanic Complex, Newer Volcanics Province, southeastern Australia

T. Blaikie

4512. Pyroclastic Density Current Hazards in the Auckland Volcanic Field (New Zealand): Maungataketake Volcano

B. Brand

3630. Hot Spot Magmatism on the Western Australian Continental Margin

K. Dadd

1671. A physical model for gas burst overpressure in strombolian eruptions: the role of magma drainage around rising slugs.

E. Del Bello

1718. Mantle sources for the basaltic volcanism of the Garrotxa Volcanic Field (NE Spain)

G. Gisbert Pinto

1081. Factors influencing the eruption intensity of maar volcanoes, using the Pleistocene Purumbete maar, Newer Volcanics Province, southeastern Australia, as an example

S.C. Jordan

4673. A New Assessment Of Risk And Hazard For The Young Volcanoes Of Australia

E.B. Joyce

990. Spatial distribution of monogenetic vents on Jeju Island (South Korea)

G. Kereszturi

3238. Morphometry-based spatio-temporal evolution of monogenetic volcanism along the Southern Volcanic Zone of Tenerife (Canary Islands, Spain)

G. Kereszturi

3241. Effect of pre-eruptive surface inclination on the morphology of Quaternary scoria cones located on Tenerife (Canary Islands, Spain)

G. Kereszturi

1740. Monogenetic Volcanism and Long-term Intraarc Tectonics in Southern Andes

L.E. Lara

2341. Monogenetic volcanic fields: Spatial distribution and volcanic lineaments as indicators for crustal controls?

N. Le Corvec

5813. Ground Penetrating Radar(GPR)Reconstruction of Gully Scour and Fill on Cinder Cones - a Possible Window to Post-wildfire Erosion Patterns?

B. Martinez-Hackert

1962. Grain component characterization of pyroclastic surge deposits at Maungataketake volcano, New Zealand: implications for eruption mechanisms.

K. Nemeth

2496. Neogene-Quaternary maar volcanism in the Cappadocian Volcanic Province in Central Anatolia, Turkey: revisited

K. Nemeth

- # 5146. The role of collapsing and rafting of scoria cones on eruption style changes and final cone morphology: los morados scoria cone, Mendoza, Argentina
K. Nemeth
- # 1313. Varied eruptive styles and vent migration at the 35ka Tower Hill Volcanic Complex, southeast Australia
G. Prata
- # 602. Morphological evolution of La Barda volcano, Southern Andean retroarc, Argentina
C. Risso
- # 3994. The explosive activity of Xitle volcano, Mexico City: A reappraisal
J. Taddeucci
- # 5295. Eruptive history and subsurface structure of a nested maar-scoria cone volcano, Mount Noorat Volcanic Complex, Newer Volcanics Province
J. Van Den Hove
- # 675. Study on geological characteristics of Quaternary volcanoes in the Halaha River and Chaoer River area in Daxing'an Mountain range, NE China
Y. Zhao
- # 2339. Roles of Europe blocking and tropical-extratropical interaction on the Pakistan flood in 2010
C. Hong
- # 3522. Intraseasonal Mixed Layer Temperature Variation in the Equatorial Indian Ocean
T. Horii
- # 2240. Decadal to Bi-Decadal Rainfall Variation in the Western Pacific: A Footprint of South Pacific Decadal Variability?
H. Hsu
- # 508. Climatology and Interannual Variability of Convectively Coupled Equatorial Waves Activity
P. Huang
- # 1478. Impact of the inhomogeneous characteristics of temperature variation on the extreme precipitation events
Y. Huang
- # 5589. Influence of Indian Ocean Dipole on Following year's ENSO: Mechanisms and Interdecadal Stability
T. Izumo
- # 2570. Dramatic shift in Indonesian rainfall
J. Kaempf
- # 1712. Numerical simulation of 'PHYAN(2009)': Sensitivity to nested domain & Initial condition
R. Kanase
- # 4096. Using a case-study approach to improve the Madden-Julian oscillation in the Hadley Centre climate model
N. Klingaman
- # 3435. MJO Empirical Modeling and Prediction by Past 'Noise'
D. Kondrashov
- # 4533. Effects of the SST Cold Tongue in South China Sea on the Climate of Maritime Continent
S. Koseki
- # 2051. Pacific Adaptation Strategy Assistance Program: Climate prediction capacities strengthened in the National Meteorological Services
Y. Kuleshov
- # 4559. Interdecadal Variability of Storm Track Activity and its Relationship with Tropical Circulation
S. Lee
- # 4463. Convectively-Generated Gravity Waves Observed During TWP-ICE
C.M. Nguyen
- # 4602. Characteristics of CMIP3 models realistically simulating tropical western Pacific precipitation response to Nino3 SST and Future projection
T. Ose
- # 2875. Influences of tidal forces on ENSO phenomenon
A. Panizo
- # 1579. Relationship between the Interannual Variability of Moisture Budgets over Southern Indian Ocean and Sea Surface Temperature during boreal summer
Y. Qiao
- # 2477. Global Atmospheric Circulation associated with the MJO in Varying Tropical Sea Surface Temperature States
N. Sakaeda
- # 2803. Tropical Tropospheric Profile Associated with Convectively Coupled Oceanic Kelvin Waves
R. Setzenfand

Tuesday 5 July 2011

IAMAS

JM10 Monsoons, Tropical Cyclones and Tropical Dynamics
JM10PS3 Tropical Dynamics
 Organisers: IAMAS (ICCL,ICDM), IAPSO, IACS, IAHS,GEWEX, CLIVAR

- # 702. Interaction of the North Atlantic baroclinic wave packets and the Mediterranean storm track
F. Ahmadi-Givi
- # 4859. Long-term variability of rainfall characteristics in the Philippines since the 20th century
I. Akasaka
- # 1052. A characterization of the low level flow crossing Santa Cruz de La Sierra during LLJ events through a Lagrangian methodology
T. Ambrizzi
- # 4398. Validating Convection-Permitting Models Using an Automated Convective-Cell Tracking Algorithm (TITAN)
S. Caine
- # 5204. Effects on the Tropical Tropopause of the PDO Regime Shift
P. Canziani
- # 4390. Changes in North Australian Rainfall in terms of Wet Season Regimes
J. Catto
- # 5058. Structure and characteristics of submonthly-scale waves propagating along the Indian Ocean ITCZ
Y. Fukutomi
- # 3823. Extratropical Enhancement of Tropical Precipitation Systems Observed over the Western North Pacific during the Early Summer in 2010
B. Geng
- # 5664. Impacts of the ENSO and IOD on interannual rainfall variability in Jakarta, Indonesia
J. Hamada

- # 4850. Fall Precipitation and Its Interannual Variability in Central Vietnam
T. Tomita
- # 4025. The rectified response to the Madden-Julian Oscillation
B. Webber
- # 3295. Differences Between More-divergent vs. More-rotational Types of Convectively Coupled Equatorial Waves
K. Yasunaga
- # 770. The Study on Premonitory Sign of Anomalous SST over Eastern Equatorial Pacific
Q. Zhang
- # 1603. The study of near-ground free convection conditions at Nam Co station on the Tibetan Plateau
D. Zhou
- # 2539. Application of large scale dynamics in a single column model and its comparison with climate statistic
H. Zhu

Wednesday 6 July 2011**UNION**

U11 **Earth and Space Science in Africa**
 Organisers: IAGA – as part of IUGG Geoscience in Africa initiative and the eGY-Africa program.
 Co-Sponsors: IAG, IAHS, IAMAS, IAPSO, IASPEI, IAVCEI, African Geospace Society (AGS), Association of African Universities (AAU), Africa Earth Observing Network (AEON), AfricaArray; ICSU Regional Office for Africa, CODATA, International Network for the Availability of

- # 805. Solar activities and Climate change hazards
A. Abdel Hady
- # 618. Geomagnetism, Solar wind and Solar activity during solar cycle 23
C. Amory-Mazaudier
- # 758. Monitoring of the Nile Basin waters from space
J. Awange
- # 5318. Internet connectivity in African institutions: NRENs, PingER, and eGYAfrica
C. Barton
- # 2685. Investigations of the West African monsoon hydrological cycle with a network of ground-based GPS receivers
O. Bock
- # 799. The Realization of the Geocentric Datum of Nigeria: Preliminary Results
J. Dodo
- # 4731. A study of the vegetation change and climate memory in Africa using a dynamic global vegetation model
S. Ishii
- # 1979. Earth – and Space Physics Research at the Hermanus Magnetic Observatory
P. Kotze
- # 5646. Differential Values between Global Positioning Systems (GPS) and Spirit Leveling Observations on Some GPS Pillars in the North Eastern Region of Nigeria
M. Muhammad

Wednesday 6 July 2011**IAGA**

A021 **Electromagnetic Induction - Recent Advances in Electromagnetic Induction: Modelling and inversion**
 Organisers: IAGA Div I

- # 3154. Thickness Retrieval of Deformed Sea Ice with Airborne Electromagnetic Induction Sounding: Error Evaluation using a 3D Finite Element Forward Model
S. Hendricks
- # 3083. Three-Dimensional Inversion of Single Profile Magnetotelluric Data, Generated for Resistivity Models with Local and Extensive Inhomogeneities
P. Pushkarev

A022 **Electromagnetic Induction - Electromagnetic imaging from the near-surface, lithosphere-asthenosphere, to the core: results and interpretations**

Organisers: IAGA Div I

- # 3077. Exploration Study over Rock Deep Geological Structure in Preselected Site of High Level Waste with CSAMT method
Z. An
- # 1249. Induction Studies in the Andaman-Nicobar Islands: preliminary results
K. Arora
- # 1660. New data on the geoelectrical structure of Uttarakhand Himalaya in correlation with regional seismicity
R. Chand
- # 1661. The geoelectric images of subduction in the frontal and distant zones of the India-Eurasia collision
R. Chand
- # 4811. A Magnetotelluric Survey Along the Georgina-Arunta Deep Seismic Reflection Transect, Northern Territory, Australia
J. Duan
- # 1380. Geoelectrical Structures Study of the Lithosphere Underneath the Brazilian Parana Basin Using GDS Data
C. Espindola Antunes
- # 1333. Hydrocarbon Prospects Across Narmada-Tapti Rift in Deccan Trap, Central India: Inferences from Integrated Interpretation of Magnetotelluric and Geochemical Prospecting Studies
A.A. Kizhakkekara Kunjavarman
- # 1676. A magnetotelluric Investigation along a 40 km profile in Kangerlussuaq, West Greenland
L. Kother
- # 824. Crustal structure of the north Sikkim Himalaya by magnetotelluric studies
A. Manglik
- # 5011. Magnetotelluric measurements associated with 2009 L'Aquila earthquake sequences
P.G. Palangio
- # 5340. AMT exploration of a gold deposit in the North-East of Russia
P. Pushkarev
- # 2808. Exploration of a potential graphite agglomeration along terrane-boundaries using geomagnetic depth sounding
S. Schnaidt
- # 4914. Inversion of global induction data. From data analysis to the 3-D model of mantle conductivity.
A. Semenov
- # 2806. Investigation of the crustal conductor at terrane-borders using magnetotellurics in Western and Southern Germany
B. Sommer
- # 1870. EM Induction Studies in Lakshdweep Islands: An overview
P.B.V. Subba Rao

A044 **Rock Magnetism - Environmental Magnetism**
 Organisers: IAGA Div I

- # 584. Diagenetic alterations of magnetic signals in Labrador Sea sediments (IODP Sites U1305, U1306, and U1307)
N. Kawamura
- # 1423. Environmental Magnetism study of laminated sediments of the Peruvian continental shelf: a record of the end of Little Ice Age
G. Mathias
- # 5734. Magnetic grain-size proxy for Pleistocene East Antarctic deep water inflow to the south Challenger Plateau, New Zealand
F. Nelson
- # 582. Environmental Magnetism of a Holocene Eolian Sequence in Tierra del Fuego (Argentina)
M.J. Orgeira
- # 583. Environmental Magnetism Study of a late Pleistocene-Holocene loess and Paleosols Sequence in Córdoba province (Argentina)
M.J. Orgeira

A063/A065 **Coupling in the atmosphere-ionosphere-magnetosphere system and its response to external forcing and forcing from below - Coupling Processes in low- and high-latitude ionosphere/atmosphere and space weather**
 Organisers: IAGA ICDC and Div II

- # 1840. Investigation of the temporal characteristics of tec and I-band scintillation at the equatorial stations of lagos and ilorin in nigeria during solar minimum
L. Amaeshi
- # 1989. Longitudinal variability of X component during solar minimum period of 1995
T. Arunachalam
- # 1601. Importance of ionospheric equatorial VHF Scintillation in the Indian region to study Sun-Earth interactions
S. Banola
- # 5082. Study of CME geoeffectiveness from SuperDARN convection data
C. Hanuise
- # 3858. IUse of GPS Measurements to Probe the Irregularity Oval in the Northern Hemisphere
V. Kuznetsov
- # 4873. Fluctuation Characteristics of Magnetic Disturbances During CME Events - Indication of Diffusion Processes at Mid- and Low Latitudes
T. Nikolova
- # 1267. ULF Wave Index as a Proxy of Space Weather Parameter
A. Singh
- # 1599. Quiet-time variability of the GPS TEC and EEJ strength over Indian region and their connection to the major Sudden Stratospheric Warming (SSWs) events during 2005/2006
S. Sripathi

- # 3023. The Effect of Cross Polar Cap Potential on the Equatorial Ion Upflow: A Statistical Study
H. Wang

A071 **Radiation belt dynamics and remote sensing of the Earth's plasmasphere - Radiation Belt Dynamics: drivers and impacts of acceleration and loss processes**
 Organisers: IAGA Div II and Div III

- # 2799. Early results for the balloon array for radiation-belt relativistic electron losses (BARREL) NASA Mission
B. Anderson
- # 511. Statistical Analysis of Outer Electron Radiation Belt Dropouts: Geosynchronous and Low Earth Orbit Responses
A. Collier
- # 513. The Creation of a Statistical Lightning Model
A. Collier
- # 515. Unusual Observation of Chorus at L=2.6
A. Collier
- # 2966. Trajectories of electrons in a realistic model of the Earth's magnetic field
A. Collier
- # 4666. EMIC waves, Plasmaspheric density, and Radiation Belt loss: A CRRES study
A. Halford
- # 1889. Detail study of spectral structures of whistler mode chorus emissions
E. Macusova
- # 5672. Night-Time Ground-Based VLF Emissions in the Magnetic Storm on 27 Feb – 3 Mar 2008
J. Manninen
- # 4975. Equatorial Noise Emissions Observed by Cluster and DEMETER Spacecraft
O. Santolik
- # 4420. Relating ULF Wave Equatorial Electric and Ground Magnetic Fields.
M. Sciffer
- # 4389. Whistler-mode Wave Growth and Propagation
C. Watt

A092 **Magnetosphere-ionosphere coupling - Magnetosphere-Ionosphere Interactions and Auroral Processes**
 Organisers: IAGA Div III and Div II

- # 2786. Influence of solar wind parameters on magnetosphere input energy during short (SRP) and long (LRP) recovery phase magnetic storms
V. Alves
- # 1817. Auroral electron precipitating power estimate during HILDCAAs
F.R. Cardoso
- # 2650. Electrostatic Aurora and Waves
J. De Keyser
- # 3855. Ion Beams over the Polar Cap and Polar Cap Arcs
J. De Keyser
- # 1640. Investigation of BBELF turbulence by FAST observations
I. Despirak

- # 1754. Study of the 5577Å and 6300Å emissions characteristics during substorms
V. Guineva
- # 4846. Solar zenith angle dependence of plasma density and temperature in the polar cap ionosphere and low-altitude magnetosphere during geomagnetically quiet periods at solar maximum
N. Kitamura
- # 5056. Storm-time electron density enhancements in the cleft ion fountain
N. Kitamura
- # 3655. The Phenomenon Which Were Observed On Board The ISS During A RF Ionosphere Modification
V. Kuznetsov
- # 4009. Mars - Solar wind interaction: 3D GCM-Ionosphere model to describe the Martian ionospheric dynamics and its coupling with neutral atmosphere
R. Modolo
- # 3700. Temporal and spatial variations of pulsating auroras obtained from ground-based observations with a high-speed EMCCD camera at Poker Flat Research Range
T. Nishiyama
- # 1404. Interaction of the Long-period ULF Waves with the Ionosphere: Combined Radar and Magnetometer Observations and Modeling
V. Pilipenko
- # 3536. Precise Characteristics of Black Aurora Obtained with Reimei Image-particle Data
T. Sakanoi
- # 3473. Precipitation of Electrons with the Energy of Tens-hundreds keV in the 11-year Solar Activity Cycle
S. Samsonov
- # 2917. Seasonal dependence of geomagnetic field variations on the ground associated with geomagnetic sudden commencements
A. Shinbori
- # 1010. Different response of dayside auroras to increases in solar wind dynamic pressure
Y. Yang

A102 The Sun and the Heliosphere: New Views - Plasma interactions at solar system bodies without or with weak intrinsic magnetic field

Organisers: IAGA Div. IV

- # 2724. Atmospheric Escape from Mars, Venus and Titan During Rough Space Weather
N. Edberg
- # 2919. Interaction between lunar magnetic anomalies and electrons in the Earth's magnetosphere
Y. Harada
- # 4400. Modeling the Solar Wind Proton Velocity Space Distribution Function in the Near Lunar Wake
M. Holmstrom
- # 4402. Multiple Ion Acceleration at Martian Bow Shock
M. Holmstrom

- # 3770. Solar Wind interaction with Mars neutral environment from hybrid simulations: improved spatial resolution
R. Modolo
- # 4743. Interaction between the Moon and the Earth's magnetosphere observed by MAP-PACE on Kaguya
Y. Saito
- # 4039. On the Helium balance in the Martian atmosphere
G. Stenberg

A122 Space Weather and Space Climate - Geomagnetic networks, computation and definition of products for space weather and space climate

Organisers: IAGA Div IV and Div V

- # 2301. Automatic detection of SC using neural networks
J.J. Curto
- # 5590. Space climate: Toward a characterization at hale and gleissberg cycles timescales
C. Demetrescu
- # 1772. Normal and Abnormal Behavior of Magnetic Field Variations During Solar Quiet Days Observed at MAGDAS Chain in Egypt
R. Elhawary
- # 1417. Detection and Structural Analysis of Geomagnetic Storms Using Methods of Fuzzy Logic in GIS Environment
R. Kulchinskiy
- # 5526. Asymmetry features of the 27.08.2001 substorm inferred from the magnetogram inversion technique
R. Lukianova
- # 5210. The Geomagnetic Activity Evolution During the Last 140 Years as Described By aa Indices
M. Menvielle
- # 5235. RMS-based Planetary Geomagnetic Activity Indices
M. Menvielle
- # 3754. Singular Sspectrum analysis of solar activity influence over space climate
R. Rajaram
- # 1705. Geoeffectiveness of Multiple Solar Flares and Associated Solar Energetic Particle Events During Solar Cycle 23
R. Rawat
- # 4847. Long trend and seasonal variation of geomagnetic Sq field
M. Takeda
- # 5721. Substorm number as a terrestrial magnetic weather indicator
E. Tanskanen
- # 3446. Manifestation of the Syndics Period of Jupiter and Mars in the Wolf Numbers and in the Main Meteorological Parameters Central Yakutia.
V. Timofeev
- # 682. Geomagnetically Induced Currents in a Power Grid of Northeastern Spain from EBR observatory records
J.M. Torta

- # 3316. A test of the relationship between precipitation in different regions of China and solar cycle
J. Wang

A141 Lithospheric field and related geological/tectonic implications - Modeling of lithospheric and induced magnetic fields

Organisers: IAGA Div V

- # 2666. Separation of oceanic and continental crustal field spectra using slepian functions
C. Beggan
- # 4485. Magnetisation in the Oceanic Lithosphere and Prediction of its Magnetic Field Using Vector Spherical Harmonics
D. Gubbins
- # 4407. Tectonics of the azores triple junction area deduced from magnetic and multibeam data
J. Luis
- # 4300. Using dense magnetic grids for plate kinematic studies, a case study for the north atlantic
J. Miranda

A143 Lithospheric field and related geological/tectonic implications - World Digital Magnetic Anomaly Map 2011

Organisers: IAGA Div V

- # 5853. A Candidate Model for the Second Edition of WDMAM by Team GTK
J.V. Korhonen
- # 5920. Observed regional magnetic anomaly change in Sweden between 1965 and 1998
J.V. Korhonen
- # 3597. Gradient Magnetic Surveys At The Altitudes Of 20-40 Km: A New Method Of Isolating The Anomalous Magnetic Field Of The Earth; Application Of The Results
V. Kuznetsov

Wednesday 6 July 2011

IAHS

H01 Conceptual and modelling studies of integrated groundwater, surface water, and ecological systems

Organisers: ICGW, ICSW, ICWQ, ICWRS

- # 309. Toward Improved Estimations of Groundwater Recharge and Evapotranspiration Using Coupled vs. Integrated Hydrologic Models
H. Ajami
- # 498. Using the Terrain Descriptor HAND to Define HRUs Saturated Areas for Hydrological Modelling in the Amazon
D. Buarque
- # 415. Hydrological Modelling in Irrigated Areas – A Case Study in Zhanghe Irrigation System, China
X. Cai
- # 126. Groundwater temperature as a tracer to estimate anthropogenic impacts: past, present, and future
L. Gunawardhana

- # 382. Ecohydrological Simulation and Prediction in the Haihe River Basin by Coupling BIOME-BGC Model with WEP-L Model
P. Hui
- # 254. Estimation of Instreamflow for Nam River in Korea
S.M. Jun
- # 128. Transit times of soil water in a small gneiss watershed with thick soil and weathered layers using deuterium excess modelling
N. Kabeya
- # 263. Management of coastal aquifers in Southeast Viet Nam in the context of climate change
P.T. Kim Van
- # 196. Rainfall-Runoff Model Calibration Using Automatic Optimization with Multi-Objective
H. Li
- # 322. Genetic Algorithms Based Hydropower Optimization of the Three Gorges Reservoir Operation by Consideration of Different Water Uses under Two Reservoir Storing Water Schemes
Q. Li
- # 330. Impacts of Three Gorges-Gezhouba Reservoir Cascade on the Thermal Regime of the Yangtze River
Q. Li
- # 472. Application of the USLE and SWAT model to estimate erosion and diffuse pollution in two tropical watersheds subjected to different uses
R. Minoti
- # 426. Assessment of the groundwater flow system and water quality mixing processes in the Pantanal wetland, Brazil
K. Miyaoka
- # 333. The Eastern Nile water accounting
Y. Mohamed
- # 272. The research on hydrological regime and biomes succession responding model of wetland
P. Qiang
- # 346. Prediction of Groundwater Flow and Phosphorus Transport Using Visual MODFLOW
S.R. Saghravani
- # 260. Modelling Amazonian Floodplains Hydrology From In Situ and Satellite Data
P. Seyler
- # 406. Nutrient exchange between surface water and subsurface water in ponded shallow agricultural reservoirs of a suburban river
Y. Shimizu
- # 405. Evaluation of a developed rainfall-runoff-model which uses regionalization data for the semi-arid region
G. Souza Da Silva
- # 110. Understanding Hydrological Processes and Estimating Model Parameter Values in Large Basins: The Case of the Congo River Basin.
R. Tshimanga
- # 353. Water availability assessment in data scarce catchments: Case study of the Ping river basin, Thailand
S. Visessri
- # 280. Impacts of climate change on water resources in Huaihe River basin, China
Q. Wang

- # 125. Prediction of Ungauged Basins - Catchment Response Regionalisation and Uncertain Criteria Conditioning
A. Wyatt
- # 269. The analysis of water and salt movement in reclamation regions under a semi-arid climate
S. Xu
- # 439. Model Coupling for Forecast of Groundwater Evolution under Intensive Human Activities
J. You

HW04 Snow and ice hydrology: Principles, processes and prediction

Organisers: ICSIH, ICGW, ICSW

- # 181. Modelling Runoff from Pan-Arctic River Basins
Y. Gusev
- # 2321. Soil Water Storage Threshold And Streamflow Generation In A Mountainous Snowmelt Environment
M. Seyfried
- # 2853. Parameter Transfer in a Conceptual Snow Model
A. Slater
- # 886. The Impact of Soil Freezing/Thawing Processes on Bare Soil Surface Water and Energy Balances
X. Zhang

HW07 Hydro-geomorphology

Organisers: ICSW, ICCE

- # 5429. Watershed Study of the Punaruu River Basin in Tahiti (French Polynesia)
M. Aureau
- # 1745. 'Monitoring, Remote Sensing and Numerical Modeling in analysis of wetland hydrodynamics. Study Case CiÃ©nagas del Name'
F. Baladron
- # 5377. Automatic hydrogeomorphologic Units (HGMU) Mapping at Watershed Scale from LiDAR Data: Toward a Functional Assessment of Wetlands
C. Cudennec
- # 5763. Sediment yield in different vegetation scenarios after wildfire
G. Grossi
- # 5764. Impact of climate change on catchment sediment yield
G. Grossi
- # 5487. Spatial Patterns of Rainfall Erosive Index based on Monthly Rainfall Amount in Han River Watershed, Korea
J. Lee
- # 4547. Sediment Disasters Induced by Large Scale Landslides Occurred in South-Eastern Taiwan during Typhoon Morakot in 2009
S. Peng
- # 778. A GIS Analysis of the Impact of Landuse/Land Form Changes on Integrated Water Resources Management in a Coastal Zone
S.K. Ramachandran
- # 142. Monitoring of the Morphologic Evolution of the Doñana National Park Marsh by Means of Microtopography Analysis
J.C. Robredo

- # 4564. Simplified Lumped Runoff Model Using Distributed Rainfall Data with Flood Concentration System
K. Shiraki
- # 318. Numerical Modeling of Deep Drainage Galleries for Landslide Stabilisation: a Case Study in Taleghan, Iran
A. Shokri
- # 693. Geomorphic Indices Anaylsis to Monitor Surface Deformation using Digital Elevation Model in Secchia River Basin (N. Apennines)
S. Siddiqui
- # 694. Geomorphic Analysis of Active Deformation from DEM based Drainage Network in Lamone Catchment Emilia Romagna Apennines (N. Italy)
S. Siddiqui
- # 1619. Water Scarce Area Identification Using Geo Information Technology
J. Subin
- # 3057. Spatial structure of the basin erosion in the Humid Plains (based on the example of the Russian Plain)
O. Yermolaev
- # 3058. Creation of global erosion GIS and evaluation the role of relief in the sediment discharge
O. Yermolaev

HW09 Revaluating system knowledge in water resources management

Organisers: ICWRS, ICWQ

- # 5505. Hydrologic and Hydraulic Modelling on Three Scales for Assessing Macroinvertebrate Habitat Conditions
K. Bieger
- # 5522. Sharing knowledge on Hydrochemical Buffer Zones for IWRM: Three Experiments of Science-Policy Linking in Brittany, France
C. Cudennec
- # 1990. New Climate Conditions of Surface and Groundwater Resources Formation within European Russia
R. Dzhamalov
- # 631. Spatial variability of annual runoff in the largest Siberian river basins Ob, Yenisei, Lena and climatic factors (precipitation, air temperature) in extreme cases
V. Konovalov
- # 3817. A Study on the Identity of Environmental Conservation and Policy for the Taiwan Reservoir Watershed Areas
S. Lu
- # 3443. Knowledge and Modelling Gaps for Human-Centred Integrated Water Resources Planning
J. Ndiritu
- # 1406. A holistic approach to water resources management in Amu Darya river basin
B. Nurtayev
- # 1475. Selenge river basin management and sustainable Development in Mongolia.
A. Tsokhio

- # 1144. Signatures of long period Kelvin waves in the low latitude mesosphere observed by MF radar winds and SABER/TIMED temperature during 2007 Indian summer monsoon
B. Ganesan Jaya
- # 998. Satellite Measurements of Jointly Retrieval of Air Density and Ozone Distributions in the Mesosphere Using Ultraviolet Limb-scan Technique
X. Guo
- # 1518. Detecting overshooting convection in the TTL
M. Hassim
- # 532. SAGE II Observations of Aerosol in the Upper Troposphere/Lower Stratosphere
C. Hill
- # 3143. Mesospheric Intrusion and Anomalous Chemistry During and After a Major Stratospheric Sudden Warming
V. Limpasuvan
- # 3607. Middle Atmospheric Response to ENSO Events in Northern Hemisphere Winter by the Whole Atmosphere Community Climate Model
Y. Liu
- # 5037. Momentum budget analysis on the seasonal variation of the diurnal tide by using the Whole Atmosphere Community Climate Model (WACCM4) and its comparison with the meteor radar and satellite observations
X. Lu
- # 2023. Stratopause Evolution and Transport from Satellite Data and Data Assimilation System (DAS) Products
G. Manney
- # 5709. SMILES observation on global distribution of minor constituents and the QBO
Y. Naito
- # 1495. Future change in the quasi-biennial oscillation influence on the extratropical stratosphere in the Northern Hemisphere winter simulated with an MRI chemistry climate
H. Naoe
- # 5617. Intraseasonal to Interannual Variations of Ozone over the Northern Subtropical Region Revealed by Ozoneonde Observations in Hanoi
S. Ogino
- # 1236. Diurnal variations of upper tropospheric and lower stratospheric winds over Japan as revealed with middle and upper atmosphere radar (34.85°N, 136.10°E) and five reanalysis data sets
T. Sakazaki
- # 5437. Global characteristics of vertical wavenumber spectra based on a high-resolution climate model
K. Sato
- # 1991. Use of aerological measurement and ERA reanalysis for the assimilation of Brewer and Dobson total ozone series.
P. Skrivankova
- # 2610. Predictability of northern winter stratospheric conditions using JMA one-month ensemble predictions for 2001/02-2009/10
M. Taguchi
- # 4949. Tomographic Retrieval Approach for Mesoscale Gravity Wave Observations by the PREMIER Infrared Limb-Sounder
J. Ungermann
- # 3028. Study on Comparing Radio Occultation Techniques Using GPS Measurements Over the Australian Area
C. Wang
- # 5659. Non-linear interactions between polar tides and stationary planetary waves in the extended Canadian Middle Atmospheric Model (CMAM)
W. Ward
- # 1152. Numerical Experiments on Extratropical Tropopause Inversion Layer Using a Mesoscale Numerical Weather Prediction Model
S. Yoden

Wednesday 6 July 2011

IAVCEI

V01/V04 Magma Chambers and Their Dynamics: how big are they, their time scales of formation and longevity, how do we detect them, crystals and their stories / Physical and Chemical Dynamics of Intrusions

Organisers: IAVCEI

- # 4168. Imaging the Soufrière Hills Volcano Shallow Magma Chamber: Coupling Seismic Tomography and Thermal Models
C. Annen
- # 4167. Thermal Aureoles and the Dynamics of Intrusions
C. Annen
- # 4922. Petrological, thermal and rheological constraints on the re-mobilization of magmatic mushes
L. Caricchi
- # 5282. Imaging large volcanic systems through density anomaly inversion models: the Southern Bolivian Altiplano
R. Del Potro
- # 674. Preliminary research of magma mixing and explosive mechanism of the Millennium eruption of Changbaishan (Tianchi) volcano, China
Q. Fan
- # 1921. Origin of lavas and xenoliths of graciosa volcanic island (açores, portugal)
Z. França
- # 3783. The Fate of Crystals in Thermally Zoned Magma Chambers
C. Freda
- # 1122. Can punctuated melt extraction from a crystal mush explain the 'Daly Gap' in shield volcanoes?
E. Hartung
- # 1292. Chrome-spinel inclusions in olivine and plagioclase as a marker and a tracer of redistribution of crystals in a differentiating magma system
T. Hoshide
- # 1973. Evidence for the peripheral magma chamber under Klyuchevskoy Volcano
S. Khubunaya

- # 1095. Syn-depositional, crystal-rich, rhyolite porphyry intrusions co-magmatic with rheomorphic ignimbrite, in the late Mesoproterozoic Pussy Cat Group: Implications for felsic volcanism in the Musgrave Province, central Australia.
C. Medlin
- # 4153. SEA-CALIPSO active-source seismic experiment successfully images magma chamber and crustal structure under Soufriere Hills Volcano, Montserrat
V. Miller
- # 1788. Magmatic Evolution of the Austurhorn Intrusive Complex, SE Iceland: Insights from Zircon Geochemistry, Zoning, and Morphology
A. Padilla
- # 1260. Crystallized Magma Chamber under the Region of the Uzon-Geysernaya Volcanotectonic Depression (Kamchatka) by the Data of Low-Frequency Microseismic Sounding
V. Saltykov
- # 1264. The Thermal State of the Crust: a Critical Constraint on the Formation of Large Magma Chambers
A. Schöpa
- # 5592. Magma compositions of the 1998 and 2004 eruptions at Grimsvotn volcano, Iceland: Implications for magma source and plumbing
T. Thordarson
- # 1592. Dyke Swarm and Granitic Magma Transfer From Source to Batholith: the Karakoram Shear Zone, Indian Himalayas
R. Weinberg

V06 **The Rheology of Magmas**
Organisers: IAVCEI

- # 1044. Fracturing of Volcanic Edifices and Dyking during Magma Ascent
P. Benson
- # 1493. Dissection of crystal bearing melts rheology.
B. Cordonnier
- # 2824. Laboratory viscosity measurement of crystal-bearing magma: a case study for the 1778 Izu-Oshima basalt
H. Ishibashi
- # 5345. The Multiphase Rheology of Crystal- and Vesicle-bearing Magma from Monte Nuovo (Campi Flegrei, Italy)
C. Romano
- # 5347. The Effect of H₂O and CO₂ on the Liquid Viscosity of Aluminosilicate Magmas
C. Romano
- # 5348. Heat capacity of H₂O- and CO₂- bearing aluminosilicate magmas
C. Romano
- # 5349. Partial Molar Volumes of H₂O and CO₂ in Latitic and Trachytic Magmas
C. Romano
- # 2408. Pre-eruptive magma viscosity: an important measure of magma eruptibility
S. Takeuchi
- # 634. Effects of the curvature of a lava channel on velocity and stress fields
A. Tallarico

- # 3873. The Role of Advection in the Cooling Process of a Lava Flow with Temperature Dependent Pseudoplastic Reology
A. Tallarico
- # 5096. Magma Ascent and Effusion from a Tensile Fracture Propagating to the Earth's Surface
A. Tallarico

V08 **Volcanic Conduit and Vent Processes**
Organisers: IAVCEI

- # 2087. Vouli crater lake: 40 million cubic meters of acidic water turned red
P. Bani
- # 1670. Bursting dynamics of geysers eruptions: high speed imaging, infrasonic signature, and possible inferences for Strombolian activity
E. Del Bello
- # 1319. Fragmentation of phenocrysts, magmas and melt-crystal separation; examples from the 2.56Ma Cerro Galan Ignimbrite, Northern Argentina.
M. Edwards
- # 1900. Growth model of phreatomagmatic explosion crater inferred from Suoana crater in Miyakejima Volcano, Japan
N. Geshi
- # 2564. Understanding permanent degassing volcanoes: the case of Mayon (Philippines)
T. Girona
- # 5205. Buoyancy-driven dome growth process: similarities and differences between the Volcán de Colima and Popocatepetl volcano domes. An application of a simplified equation of state for the density of silicate hydrous magmas
A.O. Gonzalez-Mellado
- # 653. Conduit drilling at Hiyoriyama cryptodome, Kuttara volcano, Hokkaido, Japan
Y. Goto
- # 1780. Extreme Frictional Processes at the Conduit Margin during the 2004-2008 volcanic eruption of Mount St. Helens (USA)
J. Kendrick
- # 3731. Mafic Tephra-Filled Volcanic Neck (Yangpo Diatreme) In The Miocene Janggi Basin, SE Korea, And Its Relevant Structures
C. Kim
- # 3739. Evolution of the cretaceous dadaepo basin, SE Korea, In response to oblique subduction of the izanagi plate
C. Kim
- # 3129. Effects of Lateral Gas Escape on Transitions from Lava Dome Eruptions to Explosive Eruptions
T. Kozono
- # 3194. Changes in Eruptive Style: Examples from Ngauruhoe, New Zealand, 1954-55 and 1974-75
J. Krippner
- # 2442. Drop of Decompression Rate of Magma Terminates Volcanic Eruptions
T. Miwa
- # 2251. Origin of steady convection in Erebus lava lake, Antarctica
I. Molina

- # 1200. Relating lake level and lake temperature to hydrological loading for the Boiling Lake, Dominica
D. Robertson
- # 3665. Magma Mixing In A Conduit With Magma Pocket
E. Sato
- # 1792. Superimposed degassing cycles at active basaltic volcanoes
L. Spampinato
- # 4933. Bursting and Jetting Drives Ballistic-Dominated Eruptions at Stromboli (Italy)
L. Vanderkluisen
- # 1624. Hydration of a Rhyolitic Magma by Spherulite Growth
F.W. Von Aulock

V17 **Planetary Volcanism: what's different out there, what's new, and what are we learning?**

Organisers: IAVCEI

- # 4029. Rheology Of Lava Flows From Iceland Derived From Geometrical Parameters And Experimental Techniques
M.O. Chevrel
- # 4676. Geologic Image Analysis Software (GIAS 2.0): New Tools for Characterizing Planetary-scale Patterns of Geospatial Distribution
C. Hamilton

Thursday 7 July 2011**UNION****U05 Data Science/Informatics and Data Assimilation in Geophysical Models**

Organisers: IUGG Union Commission for Data and Information

Co-Sponsors: ICSU, IAG, IAGA, IAPSO

- # 1433. Semantic Optimisation of CCS Literature Research
B.D. Gutknecht
- # 4264. 4DVAR Assimilation of MODAS Synthetics in the Monterey Bay Using the NAVY Coastal Ocean Model
H. Ngodock
- # 5775. Modern Data Center Services Supporting Science
J. Varner
- # 4625. The Australian Integrated Marine Observing System: delivering data for marine researchers
K. Hill
- # 4627. The TPAC Digital Library Portal: A Web Application for Publishing Large Collections of Earth Science Data
P. Blain
- # 5076. The importance of science provenance in geophysical observing systems.
P. Fox
- # 1166. Geoscience data intellectual processing and dissemination using GIS
R. Krasnoperov
- # 2707. Enhance parameter correction with coupled data assimilation for climate estimation and prediction using a simple coupled model
S. Zhang
- # 3492. Designing of storage system of aircraft data, received during flying experiments onboard the aircrafts laboratories.
V. Volkov

Thursday 7 July 2011**IAGA****A031 Paleomagnetism - Magnetostratigraphy and Chronology**

Organisers: IAGA Div I

- # 1227. Detailed Paleomagnetic Study of the Pringle Falls Excursion recorded by 5 widely separated profiles found along the Deschutes River, Oregon USA
E. Herrero-Bervera
- # 3590. First Magnetostratigraphic Results for the Frasnian-Famnenian Mass Extinction (late Devonian), Canning Basin, Western Australia
E. Tohver
- # 3209. Late Albian Reverse Polarity Chron Within the Cretaceous Normal Superchron: K-Ar Dating and Magnetostratigraphic Study of Cretaceous and Oligocene Igneous Rocks From Mixteca Terrane, Southern Mexico
J. Urrutia-Fucugauchi

- # 1847. Magnetostratigraphy of the Miocene deposits in the marginal part of Carpathian Foredeep, Poland and western Ukraine, central Europe - preliminary results

J. Roszkowska-remin

- # 4972. Magnetostratigraphic correlation of the Mio-Pleistocene continental formations outcropping in NW Argentina, this relation with Nazca Plate subduction.

R. Guillermo**A032 Paleomagnetism - Paleomagnetic Observations on the Geodynamo**

Organisers: IAGA Div I

- # 1957. Closing the Pacific dipole window? - historical secular variation in the south-west Pacific

M. Ingham

- # 2042. Testing the GAD model of the Precambrian geomagnetic field

T. Veikkolainen**A033 Paleomagnetism - Paleogeographic Reconstructions**

Organisers: IAGA Div I

- # 3591. Preliminary Results from the Karoo Igneous Province, Evidence for 180 Degree Rotation of the Falkland Islands

E. Tohver**A034 Paleomagnetism - Paleomagnetism: Tectonics and Deformation**

Organisers: IAGA Div I

- # 3854. Melt Migration In Columnar Jointed Basalt From Hreppholar, Iceland: Evidence From Magnetic Anisotropy And Rock Magnetic Properties

A.M. Hirt

- # 786. Kinematic Implications of Paleomagnetic and Magnetic Fabric Studies Around the Quaternary El Tigre Transcurrent Fault, Western Precordillera, Argentina

A. Rapalini

- # 1965. Palaeomagnetic constraints on Cenozoic deformation within a NW part of the Pacific-Australia plate boundary zone in New Zealand

G. Turner

- # 1850. Magnetic Fabrics As Strain Indicator on the Rocks From Itajaí- Basin, Southern Brazil

I. Raposo

- # 5141. Magnetic Fabrics from Plastically Deformed Magnetite in High-Temperature Shear Experiments and Implications for Magnetite Rheology

J. Till

- # 1803. Emplacement of the Piracaia Pluton (SE Brazil); determined by Magnetic Fabrics

L. Pressi

- # 3178. Magnetic susceptibility development in experimentally compacted Rochester Shale powder aggregates

P. Benson

2265. A Simplified Scheme for Short-Wave Canopy Radiative Transfer Models in Land Surface Processes Studies

Q. Dai

3294. Native Forest C Factor Determination Using Satellite Imagery in Paired Catchments

R. Jamshidi

HW10 Water quality and sediment prediction in ungauged basins

Organisers: ICWQ, ICCE

1879. Mapping Groundwater Contamination Using DC Resistivity and Very Low Frequency Electromagnetic Methods in Parts of Akure Metropolis Ondo State Southwestern Nigeria.

A.O. Adelusì

1798. Eco-Hydrology as Important Tool for Integrated Water Resources Management in the Nile Basin: Egypt

A. El-Sadek

121. Coupling Remotely Sensed Data and Optical Modeling for Suspended Sediment Monitoring

A.M. Bhatti

4648. Predicting Risk and Magnitude of Large Sediment Loads from Combined Wildfire and Storm Rainfall Events

C. Mason

1821. Development of Low Cost Automatic Sampler for Diffuse Pollution Studies in Urban Catchments

C. Fernandes

5019. Effect Of A Variable Source Area On The Sediment Dynamics In The Fitzroy River, Australia

M. Joo

5817. Regionalization of fluvial sediment yield: the Emilia-Romagna case study (Northern Italy)

M. Ferraresi

4226. Spatial Variations and Risk Assessment of Pb and Cd in Soils of Sarkhon Valley, Hormozgan Province, Iran

M. Naderi Khorasgani

111. Application de la methode des reseaux de neurones a la prevision de le rosion specifique dans les bassins non jauges : Cas du Bassin A.H.S., Algerie

M. Boukhelifa

4594. Rain-Soil-Stream Connectivity Simulation for Water and Solutes Using the HYDRUS Model

P. Smethurst

1642. Development of low cost automatic sampler for diffuse pollution studies in urban catchments

S. Braga

1932. Interaction between arsenate and 2-line ferrihydrite: Equilibrium, Kinetic, and XAS spectroscopic studies

S. Kim

HW11 Water supply and water quality in large metropolitan areas and megacities

Organisers: ICWQ, ICWRS

4019. Revisiting the water quality analysis of the iguacu river at the metropolitan area of curitiba

C. Fernandes

5232. Dynamic source tracking of indicator bacteria in groundwater of Kathmandu Valley, Nepal

K. Nishida

4887. Influence of denitrification on N₂O production and consumption processes in a groundwater contaminated by nitrogen compounds in Kathmandu Valley

K. Osaka

1736. Open Water Evaporation: The Effects of Climate Change on Urban Water Supply

L. Bulcock

1737. Rainwater Harvesting: A sustainable solution to the water supply issues of low income urban housing projects in South Africa?

L. Bulcock

2150. Groundwater age rejuvenation caused by the excessive urban pumping shown in the groundwater flow system of Jakarta Area, Indonesia

M. Kagabu

4851. Sewage water contamination within the shallow groundwater recharges in Kathmandu Valley, Nepal

T. Nakamura

3304. Water Resource Assessment under Climate Change in the Arakawa Basin, Tokyo Metropolitan Area

W. Sun

4360. Pharmaceuticals and trace metals in urban waters: environmental and socio-economic indicators

Y. Vystavna

Thursday 7 July 2011

IAVCEI

V03 Time-scales of Magmatic Processes and Volcanological Implications

Organisers: IAVCEI

4289. Preservation of inherited argon in plagioclase and implication for residence time after reservoir remobilization: a case study of Central Lesser Antilles Islands.

A. Germa

1484. Death of a Major Continental Silicic Magmatic System: Insights from U-series and Ar-Ar Age Data from the Altiplano Puna Volcanic Complex of the Central Andes.

A. Schmitt

2566. Time scales of magma mixing under gede volcano, Java: a study of banded pumices

D. Krimer

3765. Magmatic Evolution of the Two Caldera-Forming Eruptions of the Apoyo Caldera, Nicaragua

D. Gilbert

- # 2101. Diffusion chronometry of Mount St. Helens orthopyroxene crystals: a sub-micron resolution study using TOF-SIMS.
K. Saunders
- # 2418. Determination of long-term distribution of volcanic activity around calderas in Bali and East Java, Sunda Arc, Indonesia, based on K-Ar dating.
K. Toshida
- # 5086. Explosive volcanism at the Central American volcanic arc: A 4 Ma time series based on marine Tephra from ODP and DSDP sites
S. Kutterolf

V05 Magmatic Volatiles and Gases

Organisers: IAVCEI

- # 1179. The impact of a future Laki-style Icelandic eruption on society and aviation
A. Schmidt
- # 3764. Magmatic Evolution and Volatile Inventory of the Lonquimay Volcano, South Central Chile
D. Gilbert
- # 5203. The deep plumbing system of the Ischia island: a physico-chemical window on the fluid-saturated and CO₂-sustained volcanism of Campania volcanoes (Southern Italy)
G. Orsi
- # 1557. Magmatic degassing at Mt. Mazama, OR, USA
H. Wright
- # 1553. Diffuse emissions of CO₂ and H₂S in Stromboli and Vulcano volcanoes.
H. Delgado Granados
- # 1469. SO₂ Emissions from Persistently Active Explosive Volcanoes: How to Best Characterize Them
J. Smekens
- # 1675. The Solubility of H₂O-CO₂ Fluids in Silicic Melts at Lower Crustal Pressures
J. Riker
- # 1159. A first Raman Spectroscopy study of fluid inclusions within xenoliths from Oldoinyo Lengai, Tanzania
L. Carmody
- # 1703. Inferences into pre-eruptive volatile content of Quaternary phonolitic magmas at Vico Volcano, Central Italy
M.I. Laird
- # 5718. First Estimates of Global Diffuse H₂S Emission by Subaerial Volcanism
N. Perez
- # 2642. Relation between single very-long-period seismic pulses and volcanic gas emission at Mt. Asama, Japan.
R. Kazahaya
- # 5591. Volatile emissions and glass chemistry of the 2004 eruption at Grimsvotn volcano, Iceland
T. Thordarson
- # 5792. Volatiles in the 2010 Fimmvörðuháls eruption, Eyjafjallajökull volcano, Iceland
T. Thordarson
- # 3841. Precursory Gas Flux Change Observed Before Eruptions at Suwanosejima Volcano, Japan
T. Mori

- # 4921. Acidic Nakadake Crater Lake at Aso Volcano, SW Japan: its Characteristics and Subaqueous Geothermal Activity Inferred from Lacustrine Sediments
Y. Miyabuchi
- # 5368. Origin of hydrocarbons in H₂- and CH₄-enriched hydrothermal fluids of Socorro Island, Revillagigedo Archipelago, Mexico
Y. Taran

V11 Characteristics and Imaging of Pyroclasts

Organisers: IAVCEI

- # 5643. Intra-Vesicular Extrusions: Evidence of Melt Segregation on Explosive Timescales
C.I. Schipper
- # 4466. Laser Remote Optical Granulometry: an Instrument and Method for Textural Analysis of Pyroclastic Deposits
D. Sarocchi
- # 4493. Pumice Vesicle Textures of the 15.7 ka Rotorua Eruptive Episode, Taupo Volcanic Zone, NZ: Implications for Eruption Dynamics and Conduit Processes.
E. Brown
- # 4437. Constraining the degassing history of Popocatepetl Volcano, Mexico: A vesicle size distribution and glass geochemistry study
J. Cross
- # 5148. Volcanic glass textures supporting extensive phreatomagmatic fragmentation of basaltic magma during the formation of the mio/pleistocene monogenetic volcanic fields of Western Hungary
K. Nemeth
- # 1065. Textural characteristics of pyroclasts from the maar-forming Rotomahana segment of the 1886 Tarawera eruption, New Zealand.
M. May
- # 1597. Quantitative analysis on volcanic ash surfaces
O. Ersoy
- # 1163. Biancavilla (Etna 18ka) distal pyroclasts in the central-eastern Mediterranean & North Africa: proximal & distal glass geochemistry & an extended fall footprint.
P. Albert

V13 Understanding Big Volcanic Systems

Organisers: IAVCEI

- # 2622. Role of mafic magmas for formation, evolution and eruption of large silicic magma system: in the case of the largest caldera-forming eruption of Kutcharo volcano (Kp IV), Hokkaido, Japan
A. Matsumoto
- # 1087. Sierra de Apas, an example of bimodal volcanism in Extrandean Argentine Patagonia
F. Salani

6070. The Malpaso Graben Caldera, Southern Sierra Madre Occidental, Mexico

J. Marti

3035. Magma System and its Eruption Processes of Caldera-forming 10th Century Eruption of Baitoushan Volcano: Inferred from Petrological and Geochemical Characteristics

M. Nakagawa

V16 Subglacial and Subaqueous and Volcanism: processes, products and impacts

Organisers: IAVCEI

4626. Overview of glaciovolcanism in the Kawdy-Tuya volcanic fields, northern British Columbia and its implications for Pleistocene paleoclimate

B. Edwards

5937. Direct observations of lava-ice interactions: the Syracuse University Lava Project

B. Edwards

5584. Laboratory Experiments on Volcano Ice Interaction

B. Oddsson

1073. Volcanic stratigraphy of Kima'Kho Mountain: a Pleistocene tuya, northern British Columbia, Canada

C. Ryane