TUESDAY A.M.

UNION

U21A Moscone West 2005 Tuesday 0800h

High Risk in Low Places: Geohazards of the Asian Megadeltas and Fluvial Systems

Presiding: Brian Mailloux, Barnard College; Steven Goodbred, Vanderbilt, Earth & Envr Sciences; Benjamin Bostick, Columbia University; Michael Steckler, Lamont-Doherty Earth Obs

0800h U21A-01 Dynamic Asia: Coupling of climate, tectonics, rivers, and people defines risk and opportunity for the world's largest human populations: S L Goodbred Jr, M S Steckler, J M Gilligan, B Archey, J C Ayers, C Wilson, C Small, L Seiber


0820h U21A-03 Dam-Induced Sediment Starvation in Delta: Implications for the Mekong: G M Mondoni, Z Rubin, J Min Due

0830h U21A-04 Sustainability within the Greater Mekong River Basins: P J Webster

0900h Discussion


903h U21A-06 Why Does Exposure to Arsenic from Drinking Groundwater in Asian Megadeltas Continue to be High?: A van Geen, K M Ahmed, E B Ahmed, I Choobury, M R H Mozumder, B C Bosick, R J Mailloux, P S Krautter, P Schlosser


0930h U21B Moscone South Poster Hall Tuesday 0800h

Advances in Numerical Methods for Atmosphere and Ocean Modeling II Posters


0900h A21B-3002 POSTER Bottom Roughness and Bathymetry Formation of the Shallow Water Equations Model Using Ensemble Kalman Filter: M Hood, J S Hagen, D Wang

0900h A21B-3003 POSTER A synchronized co- volume scheme for the large-scale shallow water equations: Q Chen

0900h A21B-3004 POSTER Quality of the Computational Grids in the Orthogonal Curvilinear Terrain-Following Coordinate and its Computational Stability: L J Li, B Wang

0900h A21B-3005 POSTER Verification of a non- hydrostatic dynamical core using horizontally spectral element vertically finite difference method: J S Choi, J Kim, S Shin

0900h A21B-3006 POSTER Developments of the Orthogonal Curvilinear Terrain-Following Coordinate: the New Basic Vectors: J L Li, B Wang

0900h A21B-3007 POSTER Evaluation of Local Ensemble Transform Kalman Filter System for the Global FSU Atmospheric Model R. C. Girres, S. Cirker


0900h A21B-3009 POSTER Adaptive Particle / Panel Methods for Global Geophysical Flow: P A Besler, K Krinsky, C Jawlowsk

0900h A21B-3030 POSTER An investigation of terrain effects on the global kinetic energy spectra using an idealized test case: S H Park, W C Skamarock, P H Lauritzen, J Kempt

0900h A21B-3031 POSTER Higher Order Spatial Discretization of Euler Equations and Effective Resolution in an Operational Nondimensional New WRF and NCM Model: Ji Opals, A Will

0900h A21B-3032 POSTER Atmospheric aerosol impacts on sea surface temperatures and medium range forecast: M J Oyola, E Joseph, C H Lu, N R Nall


0900h A21B-3034 POSTER Temporal – Mesoscale test case suite results and the effect of order-of-accuracy on pressure gradient force errors: J Gerra, P A Ullrich

0900h A21B-3035 POSTER Applications of the Global/ Regional Integrated Model system (GRM/GIMO-Double Fourier Series (DFS) Dynamic Core: M S Kim, H Park, S H Park, S Y Song

0900h A21B-3036 POSTER Vertical Finite-element scheme for the hydrodynamic primitive equations on a cubed-sphere: J P Park, T H Yi

0900h A21B-3037 POSTER Updates of the upwelling conservative transport schemes on the icosahedral grid: H Miura

0900h A21C Moscone South Poster Hall Tuesday 0800h

Advances in Spectral and Polarimetric Remote Sensing and Retrieval Techniques for the Characterization of the Atmosphere IV Posters

Presiding: Knoblochspiesse, NASA Ames Research Center; Bastaia van Diederenhoven, Columbia University in the City of New York; Olga Kalashnikova, Jet Propulsion Laboratory; Wenbo Sun, Science Systems and Applications, Inc.

0900h A21C-3003 POSTER High resolution imaging Fourier transforms spectrometer with no moving components for the measurement of atmospheric trace gasses: R Mittermeier

0900h A21C-3004 POSTER Downwelling, Far- Infrared Emissivity Spectra Measured By First at Carro Tussi, Chile and Table Mountain, California: J C MAST, M G MYNuczyn, R CAGAR, D P KRztern, G D Johnson, E J Mlawer, D D Turner

0900h A21C-3005 POSTER Thermal Infrared Spectrometry of Atmospheric Species Critical to Radiative Forcing of Earth's Climate: C Brazzitta, V Gourley, L A Varejo, T S chiefly, T A Libertez, T H Fornseht, J R Kolosowski


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All information is current as of 14 November, 2014.

TUESDAY, 16 DECEMBER 2014 - 3 FLOOR
BIOSCIENCES

B21A Moscone West Poster Hall Tuesday 0800h

B21A-0001 POSTER Multicore relevance vector machine classifier to explore annual and seasonal variation of an invasive icebean: R. W. Ziska, T. McKea

B21A-0002 POSTER Visualizing Gene - Interactions within the Rsw and Man network: S. A. Sampson, A. F. Mullins, S. W. Keddy

B21A-0003 POSTER Defining Anasark Digestion Stability-Scale Full Study: M. E. Demont De Sa


B21A-0005 POSTER Drivers of True Species Effects on Phosphorus and Carbon Cycling in Plantations at La Selva Biological Station, Costa Rica: A. F. Russell


Wednesday, 16 December

TUESDAY, 16 DECEMBER

All information is current as of 14 November, 2014

2014-003: C21B-0343 POSTER The effectiveness of CryoSat-2 and InSAR in detection of Perpetual-Permafrost Region in interior permafrost areas. A Adawy, K Steven.

2014-004: C21B-0344 POSTER For Topography Classification Using Polarmetric SAR Data in the West Antarctic M. Shin, J Jin, J Jin, L Jin, M Kim


2014-007: C22C-0347 POSTER Remote Sensing of the Cryosphere III POSTER:

2014-008: C22C-0348 POSTER Remote Sensing of the Crust of the Earth POSTER:


2014-011: C22C-0351 POSTER Assessing the ability of InSAR to monitor slow deformation of the McMurdo Ice Shelf: E Medard, H vaccination, T J Murphy, D J Wykes.


2014-014: C22C-0354 POSTER The Volatile Element Evolution of Intracrystalline Alkaline Rocks as Recorded by Apatite: An Example from the Howie Volcanic Field (Southwestern Germany): A Der Hamdani, M K. W. Rahn, L. W. Marks, M Wang.


GLOBAL ENVIRONMENTAL CHANGE

GC21 Gwesa West Moon Poster Tuesday 0800h

Connecting Climate Projections to Responses in Coastal and Continental Shelf Environments I Posters

Presiding: E Thielker, USGS; TILL Hanebuth, MARUM - University of Bremen; Michael Fieni, USGS Wisconsin Water Science Center; C. M. Swift, University of South Florida; C. Kurz, &&

GC21A Gwesa West Moon Poster Tuesday 0800h

Connecting Climate Projections to Responses in Coastal and Continental Shelf Environments I Posters

Presiding: E Thielker, USGS; TILL Hanebuth, MARUM - University of Bremen; Michael Fieni, USGS Wisconsin Water Science Center; C. M. Swift, University of South Florida; C. Kurz, &

GC21B Gwesa West Moon Poster Tuesday 0800h

Global and Regional Food and Water Security Under Increasing Extreme-Climate Pressures: Changing Climate I Posters (joint with B, H, NR)

Presiding: Yoshide Wada, Utretch University; Dembin Denig, Texas A&M University; Raghavan Srivinasan, Texas A&M University; Vikram Mehta, ORCIS

GC21C Gwesa West Moon Poster Tuesday 0800h

Mass Transport and Mass Distribution in Earth System I (joint with C, EP, GC, HS, WR, SJ)

Presiding: Juergen Kucera, Bonn University; Annette Eicker, University of Technology; Tone van Dam, University of Luxembourg

GC21D Gwesa West Moon Poster Tuesday 0800h

Variability and Projection of Regional and Global Mean Sea Level Change I Posters (joint with OS)

Presiding: Philip Thompson, JIRAM - University of Hawaii; Benjamin Hamilton, University of Colorado at Boulder; F. Delincour, Jet Propulsion Laboratory;

GC21E Gwesa West Moon Poster Tuesday 0800h

Quantifying and Projecting Relative Sea-Level Rise At The Regional Scale (joint with OS, SC, LR, NL)

Presiding: A Cunha, STS / RIo; A W Moore, F Fang, Z Liu, S E Gross, M B Heflin, J W Parker, X Wu

GC21F Gwesa West Moon Poster Tuesday 0800h

Progress, and Results: AID)

Presiding: R Malservisi, U Hugentobler, M Mokhtari, D Rizzolo, U Hugentobler, J S Cham, X S Chen

GC21G Gwesa West Moon Poster Tuesday 0800h

Poster Presentations and Derived Parameters: Implications for ITRF: Y Zhao, W A, M Bao, A W Moore, F Fang, Z Liu, S E Gross, M B Heflin, J W Parker, X Wu

GC21H Gwesa West Moon Poster Tuesday 0800h

Combined GPS Daily Coordinate Time Series Changes: Post-Little Ice Age Arctic: Significant Hypothesis

Presiding: Nathaniel Plant, USGS; J Stevenson, USGS; D Faivre, A Botella, G A Eisenhauer, E Samankassou, A Botella, G A Eisenhauer, E Samankassou, A

GC21I Gwesa West Moon Poster Tuesday 0800h

Poster Presentations and Derived Parameters: Implications for ITRF: Y Zhao, W A, M Bao, A W Moore, F Fang, Z Liu, S E Gross, M B Heflin, J W Parker, X Wu

GC21J Gwesa West Moon Poster Tuesday 0800h

Connecting Climate Projections to Responses in Coastal and Continental Shelf Environments I Posters

Presiding: E Thielker, USGS; TILL Hanebuth, MARUM - University of Bremen; Michael Fieni, USGS Wisconsin Water Science Center; C. M. Swift, University of South Florida; C. Kurz, &

GC21K Gwesa West Moon Poster Tuesday 0800h

Connecting Climate Projections to Responses in Coastal and Continental Shelf Environments I Posters

Presiding: E Thielker, USGS; TILL Hanebuth, MARUM - University of Bremen; Michael Fieni, USGS Wisconsin Water Science Center; C. M. Swift, University of South Florida; C. Kurz, &

GC21L Gwesa West Moon Poster Tuesday 0800h

Connecting Climate Projections to Responses in Coastal and Continental Shelf Environments I Posters

Presiding: E Thielker, USGS; TILL Hanebuth, MARUM - University of Bremen; Michael Fieni, USGS Wisconsin Water Science Center; C. M. Swift, University of South Florida; C. Kurz, &

GC21M Gwesa West Moon Poster Tuesday 0800h

Connecting Climate Projections to Responses in Coastal and Continental Shelf Environments I Posters

Presiding: E Thielker, USGS; TILL Hanebuth, MARUM - University of Bremen; Michael Fieni, USGS Wisconsin Water Science Center; C. M. Swift, University of South Florida; C. Kurz, &
AGU Fall Meeting 2014
Using Multiple Models: Pros and Cons of Comparing Results Across the Range of Models in the World: Estimating Climate Sensitivity

Two Key Issues are the Costs and Benefits of Global Climate Models: How Many Do We Need? How Can We Compare Them?

Thursday 0800h

Model Consistency and the Value of Hydrologic Modeling:

Tuesday 0800h

K D Hayes, L A Marshall, B L McGlynn

Nearing

Balancing Model Parsimony and Cost:

Tuesday 0800h

Daniele Penna

H21L Moscone West 3021

Tuesday 0800h

New Developments in Tracer Applications in Catchment Hydrology

Presiding: Josie Geris, University of Aberdeen, Scotland; Michael McVicar, Griffith Technical-Natural Resource, Daniele Penna, ETH Zurich; Julian Klaus, Centre de Recherche en Eau, Jean-Christophe Deleruyelle, Gabriel Lamy

H21L Moscone West 3018

Tuesday 0800h


Presiding: Mauro Capaccio, Helmholz Centre Potsdam GFZ German Research Centre for Geosciences; Wataru Naito, Helmholz Centre for Oceanography and Coastal Research GmbH; Florian Wellman, University of Western Australia; Magdalena Schech-Wenderoth, Gessförschungszentrum Potsdam

H21G Moscone West 3020a

Tuesday 0800h

All information is current as of 14 November, 2014
Sensors: Sensing and Geostatistical Methods:
Great Lakes Estuary Processes from Water Quality Simulations over the Continental United States:
D N Williams

Problem – active and now passive data for FWI:
D W Nychka, C Shin

Algorithm Posters

College London, Imperial Kaveh Madani
Policy in a Changing World IV Coping with Intersecting Datasets: JMARS as a Comparative Function:
Capabilities:
Tuesday 0800h

and beyond:
real-time analytics in the space physics community
and get Credit for your Code:
M Hammitzsch
F Klump, M Fenner, H Pampel, R Bertelmann, B Dickenshied, S Anwar, D Noss, P R Christensen, S

of Intersecting Datasets: JMARS as a Comparative:

Earth I Volatiles Posters

New York

Presiding:
(MDAP): Extending the Open-Source Data-Access Protocol
J Wächter
F Klump, M Fenner, H Pampel, R Bertelmann, B Dickenshied, S Anwar, D Noss, F Chen, B Firtnit, P Lorwe, J Walter

EXPERIMENTAL SCIENCE INFERMATICAS
IN21A Moscone South Post Hall Tuesday 0800h
Big Data in the Geosciences: New Analytics Methods and Parallel Algorithm Posters
@ joint with D, BC, GC, DQ
PRESIDING: Jitendra Kumar, Oak Ridge National Laboratory; Richard R. Jacob, National Laboratory; Forrest Hoffman, University of California Irvine; Michael Hahs, Max Planck Inst. for Biogeochemistry

IN21A-3079 POSTER World Climate Simulations: Building Data Mining Approaches to Utilizing Dynamic Time Warping Similarity Functions
B Stoopak, P Noel, J Forest, M Rozhkov, M Schleppen

IN21A-3719 POSTER Evaluating Enabling Technologies to Enable Data Intensive Science I Posters @ joint with D, BC, GC
PRESIDING: Thomas Huang, Intel

IN21B Moscone South Post Hall Tuesday 0800h
Leveraging Enabling Technologies to Enable Data Intensive Science I Posters @ joint with D, BC, GC


IN21B-3705 POSTER Using Enabling Technologies to Advance Data Intensive Analytical Tools in the JPL Temporal Climate Information System: B Knapik, M Meng, I Santini-Velena, R K Kim, B Landisman, L Li, N Numamoto, T Ph, J Turi, A Qiu, A Bramlette

IN21B-3704 POSTER Analyzing a 35-Year Hourly Data Record Why So Difficult? Cray


IN21B-3707 POSTER Meta Data Mining in Earth Remote Sensing Data Archives: D Stewinnand, B Davis

IN21B-3708 POSTER Discovery and Analysis of Intrusive Intermediate Archean as a Comparative Geoscience Platform: S Carter, P R Christensen, S Dickerson, S Anwar, N Dow

IN21B-3709 POSTER Collections and war tools for utilization of identifiers in cyberspace: A scientist

IN21B-3710 POSTER Web-based Quality Control Tool used to validate CERES products on a cluster of Linux servers: C Chun, S Sun-Mack, E Hector, Y Chen, P Mylýczen, C Mirová, D Drost

IN21B-3711 POSTER Using Machine learning to enable Big Data analysis within human Review Time Budgets: B Bue, U Rebbapragada, K Wagstaff, J Thompson


IN21B-3713 POSTER Enabling Data intensive service through service Oriented Virtual Observatory: Science Gateways: E Lenczinsky, A L Wyborn, J B Evans, A Allen, R Fraser, T Rankine

IN21C Moscone South Post Hall Tuesday 0800h
Scalable and Adaptable Architecture for Earth Science Infrastructure I

TUESDAY, 16 DECEMBER
OS21A-1105 T Treude POSTER
OS21A-1113 D Chen POSTER
OS21A-1115 A Mazzini POSTER
OS21B-1122 T Yokosada POSTER
OS21B-1134 D Feng POSTER
OS21B-1135 A Cretaceous seep
OS21B-1136 R A Rempel POSTER
OS21B-1142 J J T Irizarry POSTER
OS21B-1149 T S Collett POSTER
OS21B-1156 S Aoyama POSTER
OS21C-1146 S Aoyama POSTER
OS21C-1148 C I Wunsch POSTER
OS21C-1149 P Vélez-Belchí POSTER
OS21C-1156 A R S Hammerschmidt POSTER
OS21C-1164 T Yokoyama POSTER
OS21D-01 A Fokina POSTER
OS21D-06 A H Barnard POSTER
OS21D-08 S Aoyama POSTER
OS21D-09 E Olmedo POSTER
OS21D-1122 T Yokosada POSTER
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OS21E-02 A K LaRow POSTER
OS21E-08 E Peeling POSTER
OS21E-09 Amy Zimmerman POSTER
OS21F-01 R D Berg POSTER
OS21F-04 J Schmid POSTER
OS21F-06 M Haeckel POSTER
OS21F-08 A Z Worden POSTER
OS21F-10 E P стремляющаяся и ре-осаждение в слабо-плотном водном режиме / В. Г. Дейк, К. Л. Мордвинов, И. И. Федоров
OS21F-11 В. Д. Д. Дэвис, С. Х. Ло, П. Хун, Й. Вонг, Й. Кьонг, Ф. Кеанне, Б. М. Хове, Й. Потенна, Ф. Дюннебьер, В. Перес, Б. Селлерс, Ж. Гюйе
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OS21C-1149 P Vélez-Belchí POSTER
OS21C-1156 A R S Hammerschmidt POSTER
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OS21F-10 E P стремляющаяся и ре-осаждение в слабо-плотном водном режиме / В. Г. Дейк, К. Л. Мордвинов, И. И. Федоров
OS21F-11 В. Д. Д. Дэвис, С. Х. Ло, П. Хун, Й. Вонг, Й. Кьонг, Ф. Кеанне, Б. М. Хове, Й. Потенна, Ф. Дюннебьер, В. Перес, Б. Селлерс, Ж. Гюйе
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OS21F-10 E P стремляющаяся и ре-осаждение в слабо-плотном водном режиме / В. Г. Дейк, К. Л. Мордвинов, И. И. Федоров
OS21F-11 В. Д. Д. Дэвис, С. Х. Ло, П. Хун, Й. Вонг, Й. Кьонг, Ф. Кеанне, Б. М. Хове, Й. Потенна, Ф. Дюннебьер, В. Перес, Б. Селлерс, Ж. Гюйе
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P214 Moscone South Poster Hall Tuesday 0800h

The Io Plasma Torus: Mercury: Results from MESSENGER's Low-Altitude Campaign II Posters
Presiding: Paul Byrne, Lunar and Planetary Lab, University of Arizona
Lantern-Doherty Earth Observatory


PP21B Moscone West Poster Hall Tuesday 0800h

Holocene Climate Archives from the Arctic and the Adjacent Paleoclimatic Perspectives on Present-Day Polar Change I Posters

Presiding: Meet Bjørkum, University of Cambridge, Norway

PP21A-1111 Poster:_Shine-poster: "The disintegration of the Larsen C ice shelf". Poster: "The Larsen C Ice Shelf in the context of the Larsen Ice Shelf Complex". The Larsen C Ice Shelf is the largest of the three ice shelves in the Larsen Ice Shelf Complex. The disintegration of the Larsen C ice shelf in 2001-2002 was a major event in the study of ice shelf disintegration and its implications for climate change. The poster presents an overview of the Larsen C Ice Shelf, its history, and the factors that led to its disintegration. The poster also discusses the implications of the Larsen C Ice Shelf disintegration for climate change and ice sheet dynamics.

PP21A-1112 Poster: "Continental-scale dynamical and thermal changes in the Weddell Sea during the Last Glacial Maximum (LGM)". Poster: "Continental-scale dynamical and thermal changes in the Weddell Sea during the Last Glacial Maximum (LGM)". The poster presents an overview of the dynamical and thermal changes in the Weddell Sea during the Last Glacial Maximum (LGM). The poster discusses the implications of these changes for our understanding of past climate and ice sheet dynamics in the Antarctic.

PP21A-1113 Poster: "Ice sheet dynamics and climate change in the Weddell Sea during the Last Glacial Maximum (LGM)". Poster: "Ice sheet dynamics and climate change in the Weddell Sea during the Last Glacial Maximum (LGM)". The poster presents an overview of the ice sheet dynamics and climate change in the Weddell Sea during the Last Glacial Maximum (LGM). The poster discusses the implications of these changes for our understanding of past climate and ice sheet dynamics in the Antarctic.

PP21A-1114 Poster: "The disintegration of the Larsen C ice shelf. First results from the Larsen C Ice Shelf Project". Poster: "The disintegration of the Larsen C ice shelf. First results from the Larsen C Ice Shelf Project". The poster presents an overview of the Larsen C Ice Shelf Project, which aims to study the disintegration of the Larsen C ice shelf and its implications for climate change. The poster discusses the first results from the project, including observations of the disintegration process and the factors that led to it.

PP21B-1115 Poster: "The disintegration of the Larsen C ice shelf. First results from the Larsen C Ice Shelf Project". Poster: "The disintegration of the Larsen C ice shelf. First results from the Larsen C Ice Shelf Project". The poster presents an overview of the Larsen C Ice Shelf Project, which aims to study the disintegration of the Larsen C ice shelf and its implications for climate change. The poster discusses the first results from the project, including observations of the disintegration process and the factors that led to it.
25th Moscone South West Tuesday 0800h

*Seismic Anisotropy in the Continental Crust: Combining Paleoseismology, Seismology, Petrology, and Mineral Physics* Presentation:

**Presiding: Sarah Brownlee**
State Univ-Geology; David Okaya, Univ Southern California; Vera Schulte-Pelkum, Univ Colorado Boulder; Bill Fry, GNS Science

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**21C Moscone South Poster Hall Tuesday 0800h**

*Seismic Anisotropy in the Continental Crust: Combining Paleoseismology, Seismology, Petrology, and Mineral Physics* Poster presentations:

**Presiding: Sarah Brownlee**
State Univ-Geology; David Okaya, Univ Southern California; Vera Schulte-Pelkum, Univ Colorado Boulder; Bill Fry, GNS Science

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**21A Moscone South Poster Hall Tuesday 0800h**

*Multiscale Dynamics of Earthquakes and Tsunamis* Poster presentations:

**Presiding: Brad Aagaard, USGS; Alice- Agnes Gabriel, Ludwig Maximilians University Munich; Matthew Knepley, Univ Chicago; Paul Mai, King Abdullah University of Science and Technology**

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**21B Moscone South Poster Hall Tuesday 0800h**

*Seismic Anisotropy in the Continental Crust: Combining Paleoseismology, Seismology, Petrology, and Mineral Physics* Poster presentations:

**Presiding: Sarah Brownlee**
State Univ-Geology; David Okaya, Univ Southern California; Vera Schulte-Pelkum, Univ Colorado Boulder; Bill Fry, GNS Science
S21D-040 POSTER Heterogeneous Asymmetry and Seasonal Variation of Tropospheric Composition: S. Coleman, L. A Quin, G. A Bruegge


S21D-044 POSTER High-latitude Electric Potential Distribution and Differentials in the Upper Thermospheric Neutral Wind Circulation: M Feiuren, S Hulset, I Oort

S21D-045 POSTER Longitudinal and Hemispheric Variations of Nocturnal E-E Layer Electron Density in the Arctic, Alaska: X Wang, X Dou, A G Burns, X Yue

S21D-046 POSTER Multi-resolution Atmospheric Composition: C Y Chen, P O Hedin, D W Nyeki, D F Coa, M J Wahr


S21D-048 POSTER Study of Thermosphere-Tropopause Coupling to Geostrophic Storms: P Suresh, C Sivaraman

S21B-028 Moscone South West Poster Hall Tuesday 0800h Thermospheric Composition Variability and its Coupling to the Ionosphere I (Joint with T20) Presiding: Yongliang Zhang, The Johns Hopkins University Applied Physics Laboratory; Larry Pulsifer, The Johns Hopkins University Applied Physics Laboratory; Timothy Fuller, Rosemary Elementary School; Colorado State University; University of Colorado at Boulder


S21A-012 Short-Time Scale Enhancements to the Global Thermospheric Temperature and Nitric Oxide Content Resulting From Ionospheric Winds: Josh Hedin, D R Weimer, M G Miyaguni, J A Hunt, E Kerton

S21A-013 Recent Results of the Remote Sensing of the O13/N2 Ratio in the 100 to 200 km Albedo Region: J J Hedin

S21A-014 Composition and the Winon Anomaly: A G Burns, W Wang, L Qian, C S Solomon, Y Zhang, J J, J Paxton, J J Thrace


S21A-016 Observations of the O13+ (2-PD) 713 and 735 nm Thermospheric Airglow Emissions With the Wind Imaging Interferometer Leading to Observations of Dynamic Structures and Ionospheric Winds of M G Shepherd.

S21A-017 Volume as a Dynamical Trace in the Thermosphere: J S Thrace, X Liu, W Wang, G A Burns

S21A-018 Quantification of upper thermosphere and lower ionosphere temperature exchange coupling to the mid-latitude troposphere: T D Walden, J A J Pinto, P Aponte, S A Gomerz


S21A-022 POSTER Implications of the S-Wait for the Corona and Inner Heliosphere: S K Antochuk

S21B-029 POSTER Solar Polar Plus and Solar Orbiter: B van der Hoe, L Sokolov, C Torr, G Torkar


S21B-032 POSTER Solar Multi-Flux Solar Corona and Inner Heliosphere Model for Solar Probe Plus and Solar Orbiter: B van der Hoe, L Sokolov, C Torr, G Torkar


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All information is current as of 14 November, 2014
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Tuesday 1020h

**SEISMOLOGY**

**SA22**

Marriott Marquis Salon Q

Tuesday 1020h

Aftershock Hazard: Forecasting High-Time and Space-Dependent Seismicity and Shaking after Large Mainshocks I (Virtual Session) (joint with NA, TA)

**Presiding:** Ross Stein, USGS; Shinji Toda, Tohoku University; Warner McKeithen, VA Tech; Volkan Sevgili, U.S. Geological Survey

**1030h**

**SA22-A** Recent Experiences in Aftershock Hazard Modeling in New Zealand: Goran Scawthorn, University of Canterbury; Christopherson, S; Cianfarini, B; Fry, S; Potter, T

**1035h**

**SA22-B** Long Aftershock Sequences within Continental Deformation: Observational Implications for Earthquake Hazard Assessment: S. Stein, M. Lis

**1040h**

**SA22-C** Evidence Against the New Madrid Long-Aftermath Hypothesis: M. Page, S. E. Highway

**1045h**

**SA22-D** What Controls the Duration of Aftershocks, and Why It Matters for Probabilistic Seismic Hazard Assessment: R. Stein, S. Tools

**1050h**

**SA22-E** Global Catalog Analysis Shows That Dynamic Triggering or Shakening Off Remote Mega-Events: A. B. C. Case, C. W. Johnson, B. Burgmann, F. Pollitz

**1055h**

**SA22-F** A New Hybrid STF/Coulomb model for Aftershock Forecasting: S. Steacy, A. Jimenez, M. Gornitzberger

**1100h**


**1105h**

**SA22-H** Dynamic Aftershock Triggering Correlated with Coolant Leaking in the Slip: D. J. Sempere

**1110h**

**SA22-I** Imaging the Earth II Passive and Active Source Methods of the Crust (joint with DI, T)

**Presiding:** Maria Mora-Caceas, Los Alamos National Laboratory; Carene Larmat, Los Alamos National Laboratory; Andreas Fischer, ETH Swiss Federal Institute of Technology Zurich; Paula Koelmeijer, University of Cambridge

**1030h**

**SA22-J** Estimating M0Nk depth utilization of S-wave receiver functions: S. Cypher, J. Rychorchuk, N. Hermon

**1035h**

**SA22-K** Crustal and Basin Thickness Via Dynamic Aftershock Triggering: M. T. Page, A. Steacy, A. E. Johnson, A. D. Hollis, D. Hollis, A. R. Boehler

**1040h**

**SA22-L** Continental Deformation III

**Presiding:** Diana Roman, Carnegie Institution of Washington; Matthew Haney, Avalon Volcanicity Anchorage; Stephanie Prejean, Alaska Volcano Observatory Anchorage; Richard Aster, Colorado State University

**1030h**

**SA22-M** Large-N in Volcanic Seismo: J. Lu, S. Song, G. K. Wang, J. K. Moriguchi

**1035h**


**1040h**


**1045h**

**SA22-P** Seismic Anisotropy Reveals a Large Magnetic-Slack Component below the Tuluca Caldera: K. Baylissvale, S. Nagashima, J. Kissling, A. Morelli, M. Lisander, C. Ronan-Schonfiielbar

**1050h**

**SA22-Q** Recent developments and applications of a real-time tool to detect migration migration in different volcanic settings and nervous optimization: B. Tait, A. Iksik; C. Cadamuro

**1110h**

**SA22-R** Imaging the Earth II Passive and Active Source Methods of the Crust (joint with DI, T)

**Presiding:** Maria Mora-Caceas, Los Alamos National Laboratory; Carene Larmat, Los Alamos National Laboratory; Andreas Fischer, ETH Swiss Federal Institute of Technology Zurich; Paula Koelmeijer, University of Cambridge

**1030h**

**SA22-S** Estimating M0Nk depth utilization of S-wave receiver functions: S. Cypher, J. Rychorchuk, N. Hermon

**1035h**

**SA22-T** Crustal and Basin Thickness Via Dynamic Aftershock Triggering: M. T. Page, A. Steacy, A. E. Johnson, A. D. Hollis, D. Hollis, A. R. Boehler

**1040h**

**SA22-U** Continental Deformation III

**Presiding:** Diana Roman, Carnegie Institution of Washington; Matthew Haney, Avalon Volcanicity Anchorage; Stephanie Prejean, Alaska Volcano Observatory Anchorage; Richard Aster, Colorado State University

**1030h**

**SA22-V** Large-N in Volcanic Seismo: J. Lu, S. Song, G. K. Wang, J. K. Moriguchi

**1035h**


**1040h**


**1045h**

**SA22-Y** Seismic Anisotropy Reveals a Large Magnetic-Slack Component below the Tuluca Caldera: K. Baylissvale, S. Nagashima, J. Kissling, A. Morelli, M. Lisander, C. Ronan-Schonfiielbar

**1050h**

**SA22-Z** Recent developments and applications of a real-time tool to detect migration migration in different volcanic settings and nervous optimization: B. Tait, A. Iksik; C. Cadamuro
All information is current as of 14 November, 2014.
1340h POSTER: A numerical study of the effect of urbanization on the climate of Las Vegas, Nevada using WRF-Chem. S. M. Kamal, H. P. Huang, S. W. Mynt.
1340h POSTER: Columbia University in the City of New York; Justin Wettstein, Oregon State University; Jeanne M. Edwards, University of Arizona; J. J. Romanski, J. R. Lyon.
1340h POSTER: Effects of Extratropical Cyclones to Variations in Rossby Wave Activity as a Diagnostic for Wave Track Variability: X. Feng, R. Rasmussen.
1323F POSTER: Mesoscale South Poster Hall Tuesday 1340h
1323F Dynamic and Predictability of Midlatitude Circulation: Jets, Storms, and Monsoons II Posters (co-sponsored by AMS)
Presiding: Christina Karanepuram, Univ Hawaii; Yolanda Serra, University of Arizona; Abraham Solomon.
1340h POSTER: Dynamic and Predictability of Midlatitude Circulation: Jets, Storms, and Monsoons II Posters (co-sponsored by AMS)
Presiding: Christina Karanepuram, Univ Hawaii; Yolanda Serra, University of Arizona; Abraham Solomon.
1323F POSTER: Atmospheric Science Division of AMS Posters (co-sponsored by AMS)
Presiding: Jennifer L. Tao, Princeton Univ; Melody Avery, NASA Langley Research Center; Athanasios Nenes, Georgia Institute of Technology
1340h POSTER: Development of KRISS Atmospheric Model (HiRAM) for ambient ozone measurements: S. Lee, J. Lee.
1340h POSTER: Modeling Summit-NP VAP:朝日山高気圧の発達過程を解析した次世代空気汚染指標: S. X. Cao, C. Cao.
1340h POSTER: Ozone production efficiency of a ship-plane ITCT 2KL case study: H. Kim, CH Soon.
1340h POSTER: Atmospheric Science Division of AMS Posters (co-sponsored by AMS)
Presiding: Justin Wettstein, Univ Arizona; J. J. Romanski, J. R. Lyon.
1340h POSTER: Atmospheric Science Division of AMS Posters (co-sponsored by AMS)
Presiding: Jennifer L. Tao, Princeton Univ; Melody Avery, NASA Langley Research Center; Athanasios Nenes, Georgia Institute of Technology
1340h POSTER: Development of KRISS Atmospheric Model (HiRAM) for ambient ozone measurements: S. Lee, J. Lee.


1340h  A23J-3060 POSTER In situ Observations of NO2, NO and HCHO in the UTLS from Dec 2009 to Jan 2010 during the CAST with the JPL Microwave Limb Sounder (JPL MLS). J. M. Madronich, J. E. Saiz-Lopez, J. L. Seo, A. Jeong.


1340h  A23J-3063 POSTER Simulation of the small-scale spatial variability of NO2 in the tropical and subtropical UTLS for the 2009-2010 CAST. S. S. Phillips, S. A. Montzka, and J. Madronich.


1340h  A23J-3066 POSTER Observations of NO2, NO and HCHO in the UTLS from Dec 2009 to Jan 2010 during the CAST with the JPL Microwave Limb Sounder (JPL MLS). J. M. Madronich, J. E. Saiz-Lopez, J. L. Seo, A. Jeong.


1340h  A23J-3069 POSTER Simulation of the small-scale spatial variability of NO2 in the tropical and subtropical UTLS for the 2009-2010 CAST. S. S. Phillips, S. A. Montzka, and J. Madronich.

A23M Moscone West 3008
Tuesday 1340h
Aerosol Transport between Observations and Models II
Presiding: Mian Chin, NASA, Goddard Space Flight Center; Steve Lee, NASA, Goddard Space Flight Center; Michael aisle, University of California
1430h A23H-04 Diversity of Aerosol Optical Thickness: Comparison of forcing modes of the models from the International Cooperative for Aerosol Prediction Multi-Model Ensemble (ICAP-MME) project: C. Everroad, J. S. Jayaratne
1435h A23P-08 Application of Spectral Detection Techniques in the Assessment and Intercomparison of Models and Observations: B. Carlsson, J. Li, A. A. Lasca
1445h A23H-03 Global Warming and Air Quality in China: S. Li, C. Lin
1500h A23P-05 Mapping Air Pollution Concentrations and Sources in China from Ground-Based Observations: R. A. Bardel, A. W. Baker
1510h A23Q-04 Recent Improvement in Air Quality as Evidence by the island-wide Monitoring Network in Taiwan: S. Chou, C. C. Chang, J. Lin, C. Chuang, J. Chang, L. Wang
1515h A23N-05 Observation of black carbon, ozone and carbon monoxide in the Kgalagadi Transfrontier Park: S. Bhandari, A. K. Pandey, B. Kathrein
1520h A23P-06 Impacts of enigmatic processes on East Asia pollutant transport pathways observed from sunphotometry: H. C. Kim, P. Lee, S. Kim, F. Nigam, C. Bae, B. Kim, E. Kim
A23O Moscone West 3008 Tuesday 1340h
Characterizing Global Aerosol Through Multi-sensor and Model Synergy I
Presiding: Ralph Kahn, NASA/Goddard Space Flight Center; Robert Levy, NASA/Goddard Space Flight Center; Jeffrey Pierce, Colorado State University
1340h A23P-04 Geostationary Operational Environmental Satellite for Aerosol (SOA) Formation, Properties, and Removals II: Presiding: Alida Hodzic, National Center for Atmospheric Research; Christopher Knote, National Center for Atmospheric Research; Christopher Cappa, University of California
1340h A23O-02 Modeling Secondary Organic Aerosol over Europe Impact of Aromatics Coefficients and Viscosity: Y. Kim, K. Sander, F. Cormier
1345h A23P-05 VAPor Wall Deposition in Chamber: Theoretical Considerations: R. McVay, R. Aiginger
1355h A23Q-05 Estimating the importance of multi-phase processing on secondary organic aerosol based on a functional-group resolving volatility basis set approach: J. K. Knutson, A. A. Russell, B. Aumont, S. Saltzman
1400h A23N-06 Novel insight on photochemistry of aerosol of interest potential on Secondary Aerosol Formation: B. S. Raes, C. George, K. Arends
1405h A23Q-07 Novel Measurements of Aerosol Particle Interfaces Using Biphasic Microfluidics: A. B. Moxham, C. D. Turner
1410h A23M-03 Moscone West 3006 Tuesday 1340h
Cloud Observations and Uncertainties II
Presiding: Chuanfeng Zhao, Beijing Normal University; Eugene Clouthiaux, Penn State; Shaocheng Xie, Lawrence Livermore National Laboratory; XiQian Dong, University of North Dakota
1340h A23O-03 Climate Model Evaluation Using Cloud Optical Properties with Implications for Climate Sensitivity: J. H. Jiang, S. He
1355h A23P-02 Dependence of retrievals of cloud and atmospheric properties of spectral resolution of infrared measurements: V. P. Walden, P. M. Sierks, C. C. Tsay
1400h A23O-05 How Often and Why MODIS Cloud Properties Retrievals Fail for Liquid-Phase Clouds over Ocean: A Comprehensive Analysis Based on GOCI Observations: Z. Zhang, H. M. Cho, E. S. Patatik, K. Mayer, M. D. Lebick
1405h A23Q-08 Infrared Radiations of Ice Cloud Properties and Uncertainties with an Optimization Estimation Retrieval Method: C. Wang, S. E. Pintek, K. Meyer, Z. Zhang
1410h A23O-07 The Impact of Thresholds in Cloud Detection Uncertainties: S. A. Ackerman, B. C. Maddux, R. F. Frey

155. B23K-0146 POSTER Drivers and Variability of greenhouse Gas, Energy, and Water Cycling in Inland Waters II (joint with A, GC, H) Presiding: San Diego, University of California Santa Barbara, Heping Liu, Washington State University, Peter Franke, Colorado State University, Boulder: David Basting, Linkoping University


158. B23K-0103 POSTER All information is current as of 14 November, 2014

159. B23K-0104 POSTER Drivers and Variability of greenhouse Gas, Energy, and Water Cycling in Inland Waters II (joint with A, GC, H) Presiding: San Diego, University of California Santa Barbara, Heping Liu, Washington State University, Peter Franke, Colorado State University, Boulder: David Basting, Linkoping University

160. B23K-0105 POSTER Drivers and Variability of greenhouse Gas, Energy, and Water Cycling in Inland Waters II (joint with A, GC, H) Presiding: San Diego, University of California Santa Barbara, Heping Liu, Washington State University, Peter Franke, Colorado State University, Boulder: David Basting, Linkoping University

161. Tuesday 1340h

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All information is current as of 14 November, 2014.

TUESDAY, 16 DECEMBER
EDU23A Moscone South Poster Hall Tuesday 1340h
Broader-Impacts of the EarthScope Program: Recent and Active Geoscientific Education and Outreach Activities Posters (joint with DI, GG, NH, SI)

Presiding: Steven Semken, Arizona State University and UNAVCO, Inc. Boulder; John Taber, Incorporated Research Institutions for Seismology (IRIS), San Francisco; and R. S. Robinson, Arizona State University

EDU23B Moscone North Poster Hall Tuesday 1340h
Climate Literacy: Effective Responses and Solutions through Best Practices of Geoscientists, Partnerships, and Networks III Posters (joint with GC, PD)

Presiding: Gail Scowcroft, University of Rhode Island; Jennifer Saltzman, Stanford University; Mona Behn, Texas A&M University; Joshua Sneideman, Department of Energy Washington DC

EDU23C Moscone South Poster Hall Tuesday 1340h
Engaging Engineers in Education and Public Outreach: Models of Success for Teaching Students about Engineering Practices Posters (joint with FP Practices)


EDUCATION

TUESDAY, 16 DECEMBER

38 ❘ AGU FALL MEETING 2014

All information is current as of 14 November, 2014
**H23C Moscone West Poster Hall Tuesday 1340h**

**Natural and Anthropogenic Source Water Resources Related to Oil and Gas Production from Unconventional: Processes, Monitoring, and Stewardship II Posters**

**Presiding: Jean-Philippe Nicot, University of California, Berkeley, AUDEN; Bridget Scanlon, University of Texas at Austin**

- **1340h - 1340h**
  - **H23C Post-1080** Airborne Geophysical Surveys Applied to Hydrocarbon Resource Development: Enhanced Seismic, B D Smith, L B Ball, C Finn, A Jutla, J Thamke

- **1340h - 1340h**
  - **H23C Post-1085** **Posters**
    - **H23C Post-1085-01** Numerical Simulation of Potential Groundwater Contamination Pathways from Hydraulically Fractured Oil Shale in the Nevada Basin and Range Province: S R Yaraksy, G Pold, P Rohman, P Pichon
    - **H23C Post-1085-02** **Posters**
      - **H23C Post-1085-02-02** **Posters**
        - **H23C Post-1085-02-02-01** Influence of Concentration and Salinity on the Biodegradability of Organics in Fractured Fracturing Fluid: P M Moser, D Kusak
      - **H23C Post-1085-02-03** **Posters**
        - **H23C Post-1085-02-03-01** Halogen in oil and gas production-associated wastewater: J Harkness, N R Warner, G D Wys, M Wirth, A Cheng
      - **H23C Post-1085-02-04** **Posters**
        - **H23C Post-1085-02-04-01** Accumulation of sodium in sediments from continued disposal of produced water and brines: W Hoyer, W D Lewis, J DiLena, V Naren, N Lauren
      - **H23C Post-1085-02-05** **Posters**
        - **H23C Post-1085-02-05-01** Utility of isotopes to Understand the Effluent of Shale Gas Drilling on Water Quality: Examples From the Appalachian Basins: S Sharma, L Irons, A Peale, M Muder
      - **H23C Post-1085-02-06** **Posters**
        - **H23C Post-1085-02-06-01** Occurrence and Origin of Methane in Relation to Major Ion Concentrations in Groundwater in the Denver-Julesburg and Pinyon Buttes Regions of Colorado: J D Rogers, O Eshom, G Luskey, T L Burke, S G Osborn, J Ryan
      - **H23C Post-1085-02-07** **Posters**
        - **H23C Post-1085-02-07-02** Rapid and Simple Direct and indirect indicators to identify potential porewater of contaminants associated with unconventional oil: Y H짧, S Sreenivasan
    - **H23C Post-1085-03** **Posters**
      - **H23C Post-1085-03-01** **Posters**
        - **H23C Post-1085-03-01-01** Shallow Aquifer Methane Source Assumptions: R B Caffin, D Manrique, P Rose, R Hey
      - **H23C Post-1085-03-02** **Posters**
        - **H23C Post-1085-03-02-01** Rapid, real-time Methane Detection in Ground Water Using a New Low CO2-Inertible Conductivity Sensor: J C Ruyakit, D C DiGiusto, K W Huffman, J E McCray
      - **H23C Post-1085-03-03** **Posters**
      - **H23C Post-1085-03-04** **Posters**
      - **H23C Post-1085-03-05** **Posters**
        - **H23C Post-1085-03-05-01** **Posters**
          - **H23C Post-1085-03-05-01-01** Shallow Aquifer Methane Source Assumptions: R B Caffin, D Manrique, P Rose, R Hey
      - **H23C Post-1085-03-06** **Posters**
        - **H23C Post-1085-03-06-01** **Posters**
          - **H23C Post-1085-03-06-01-01** Rapid, real-time Methane Detection in Ground Water Using a New Low CO2-Inertible Conductivity Sensor: J C Ruyakit, D C DiGiusto, K W Huffman, J E McCray
          - **H23C Post-1085-03-06-01-02** **Posters**
      - **H23C Post-1085-03-07** **Posters**
        - **H23C Post-1085-03-07-01** **Posters**
          - **H23C Post-1085-03-07-01-02** **Posters**

**H23D Moscone West Poster Hall Tuesday 1340h**

**Geogenic Groundwater Contamination and its Impact on Agriculture and Public Health I Poster**

**Submitted by:**

**Presiding: Brian Mailloux, Barnard College; Rebecca Neumann, University of Washington; Chad Saittikov, UC Santa Barbara; Benjamin Bootick, Columbia University**

- **1340h - 1340h**
  - **H23D Post-1100** **Posters**
    - **H23D Post-1100-01** **Posters**
      - **H23D Post-1100-01-01** Reactive Transport Modeling of Subarctic Arsenic Remediation Systems in West Greenland: M A Mahbub, M Baum, B van Breukelen, R K Alm
      - **H23D Post-1100-01-02** **Posters**
      - **H23D Post-1100-01-03** **Posters**
        - **H23D Post-1100-01-03-01** **Posters**
          - **H23D Post-1100-01-03-01-01** Reactive Transport Modeling of Subarctic Arsenic Remediation Systems in West Greenland: M A Mahbub, M Baum, B van Breukelen, R K Alm
      - **H23D Post-1100-01-04** **Posters**
IN23B  Moscone South Poster Hall  
Tuesday 1340h  
Technology Challenges for Big Science  
Data Management Posters  
Presiding: Bernd Ritschel, GFZ  
Yotsuba, Y.  

IN23C  Moscone South Poster Hall  
Tuesday 1340h  
Ongoing Efforts in Mineral and Rock Physics  
Presiding: Jo Clark, Clarkson University  

In 2014, the American Geophysical Union (AGU) held its annual fall meeting in San Francisco, California. This meeting is one of the largest gatherings of scientists in the geosciences, with thousands of participants presenting the latest research in a variety of topics. The image provided is a page from the program of this event, highlighting the contributions to the field of mineralogy and rock physics.

The page contains a list of posters and presentations scheduled for the IN23B and IN23C sessions at Moscone South. The topics range from ongoing efforts in mineral and rock physics to technology challenges for big science data management. The presentations are scheduled to cover a wide array of subjects, from the effects of CO2 on rock weakening to the role of smart meters in data intensive modeling. The page also features posters on the cultural and economic considerations of big data science, as well as technological advancements in software for understanding and delivering 3D stereo images.

In summary, the 2014 AGU fall meeting was a hub of scientific activity and innovation, with a focus on the latest research and developments in the geosciences, particularly in the areas of mineralogy and rock physics.
OS23A Moscone West Poster Hall Tuesday 1340h

Marine Microbial Genomics II Posters

Presiding: Cecilia Kretz, Georgia Institute of Technology, Main Campus; Amy Zimmerman, Monterey Bay Aquaria Research Institute.

OS23A-1166 posters: Diffusion fields based on measurements of isotopes and stable carbon in the marine environment. 


OS23A-1168 posters: Tidal flushing of tritium: Paleorecords of discharge from estuaries. 


OS23A-1170 posters: Tidal flushing of tritium: Paleorecords of discharge from estuaries. 

OS23A-1171 posters: Tidal flushing of tritium: Paleorecords of discharge from estuaries.


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All information is current as of 14 November, 2014


156. SM23B-4212 POSTER Possible effects of ionospheric heating for the formation of P1 post-auroral features. Y Wang, A Khotyaintsev, D J Younger, P H Liu, C Sive, A N Klimov


158. SM23C-4213 POSTER Elements of M-1 Coupling in Repetitive Substorm Activity Driven by Interplanetary CMEs C. F. Carrigan, F. E. Sandholt

159. SM23C-4214 POSTER Sudden Pressure Enhancement and Tailward Remot in the Near-Earth Plasma Sheet: THEMIS Observation and MHD Simulation. Y. Shen, Y. Ebola, T. Tanaka

160. SM23C-4215 POSTER Role of Mesoscale Convection in the Inner Magnetosphere: S. S. Y. Zarykin, R. Wolf, Y. Yang, T. Fedorov, W. B. Spiro

161. SM23D-4215 POSTER Enhanced RMS Intensity and Plasma Skin Depth: F. O. Zarehami, K. Aminzadeh, S. Habibi

Tuesday 1340h


166. T23A-4271 POSTER Magnetostratigraphy of the near-Earth magnetotail: M. G. Toth, J. Raeder, F. Toffoletto, R. W. Spiro


168. T23B-4273 POSTER Tectonic and Structural Characterization of Cratons Inferred with Geophysical Methods I Posters (joint with S) Presenting: Christian Sippel, Australian National University; Hrycko Tlucia, Australian National University; David Thomas, Applied Geodynamics, A. E. Odaufeul, University of Boumerdes

Tuesday 1340h

169. T23B-4260 POSTER Crust and Upper mantle Structure in the Western North China Craton from P-wave tomography: M. Jia, Z. Gao, X. Wang, Y. Feng, J. Yang


171. T23B-4262 POSTER Lithospheric Deformation and Destruction of North China Craton from Reflection Seismology and Surface Wave Tomography Array: F. J. Yang, H. Yang, L. Fang

172. T23B-4263 POSTER Crustal structure and the constraints of the Middle and Lower reaches of Yangtze megafold belt and neighboring areas: S. Liu, D. Shi, Z. Liu, Y. Zhang, Z. Zhao

All information is current as of 14 November, 2014
VOLCANOLOGY, GEOCHEMISTRY AND SEISMOLOGY

V22A. Moscone South Poster Hall Tuesday 1340h

Achieving Negative Carbon Emissions: Distributed Carbon Capture from Air and Ocean, T23C-4671

Dispersed Materials and/or Storage Reservoirs II Posters (print with GC, H, MR, S)


V22A-4768 POSTER Dye tracer investigations of the proglacial Resolute River, Nunavut, Canada: major CO₂ sequestration in permafrost.

Presiding: Edward Llewellyn, University of Durham; Charlotte Vye-Brown, T23C-4655 POSTER Magnetic Survey of Zambales, Philippines, a Potential Carbon Sequestration Site

Presiding: Ronald L. Bohnenstiehl, University of Alaska Fairbanks; Carnegie Institution of Washington; Sea Grant, University of Alaska Fairbanks.

V23D-1070 POSTER Fluid Flowing through Fault Zones – One Step to Understand Whole Fluid Budget at the Subduction Zone.

Presiding: Charles H. Pollard, University of California, Los Angeles; M. Dipple, K. U. Mayer, I. M. Power


Presiding: Joaquin Aranz, University of Barcelona; Kwang Hoon Moon, Korea University; Kimberly H. Nickling, University of California, Berkeley.

V23D-1066 POSTER Rapid CO₂ consumption during incipient weathering of a granular basaltic soil: implications for the Landscape Evolution Observatory, Oahu.

Presiding: Timothy Byrne, University of Hawaii Manoa; Carolyn C.航班, Columbia University; Ah-Hyung Park, University of Alaska Fairbanks; Carnegie Institution of Washington; Sea Grant, University of Alaska Fairbanks.


Presiding:
V23C Moscone South Poster Hall
Tuesday 1340h
Transients in Explosive Eruptions
Presiding: Krejci, J. (Jagiellonian), Vidotto, A. (University of Padova), Capponi, S. (INGV, Rome)
Wednesday 1340h
V23D Moscone North Poster Hall
Tuesday 1340h
The Geoelectrical and Geomagnetic Activity of the Galapagos Plate Tectonic Front
Wednesday 1340h

1600h B24A-01 SIMPLE Perspective on Europe’s Habitability: B E Schmidt


1700h B24A-06 Silicon Weathering and Pervasive Autotrophic Carbonate Precipitation Coupled to Methanogenesis in the Kosmosrhodinae-Bacterium, Offshore India: E A Solomon, J A Spivack, M Kastner, M Torres


2B42 Moscone West 2002
Tuesday 1600h
Comparative assessment of ecosystem Carbon Uptake and Long-Term Storage Using Models and Data II (joint with GC, PP)

Presenting: David Moore, University of Arizona; Anil Misra, University of Arizona; Arun Desai, University of Wisconsin; Michael Dietze, Boston University.

1600-1601 The role of ecosystem stoichiometry in patterns of ecosystem carbon uptake. E C Howe, S A Evans, J A Higler, Y Malhi, P R Goldsack
1602-1603 A multifaceted approach to understanding the relationship between soil carbon and temperature in boreal forest ecosystems. J E Hobbie, T A Johnson, S L Piao, E A Babst
1603-1604 The effect of climate change on vegetation and soil carbon cycling in a boreal forest ecosystem. L W Williams, E W Schied, K M Cichon
1604-1605 The effect of climate change on vegetation and soil carbon cycling in a boreal forest ecosystem. L W Williams, E W Schied, K M Cichon

1605-1606 Urban Areas and Global Change II (joint with A, GC)

Presenting: Galina Churkina, Institute for Advanced Sustainability Studies; Tim Butler, IASS potsdam; Kevin Gurney, Arizona State University; Iryna Dronoyna, University of California Berkeley

1606-1609 Characterizing the carbon emissions of megacities: R M Duren, K R Gurney, L J Hurtt, C E Kelemen, L L Keating, B A Pielke, E A Anderson
1613-1616 Application of atmospheric models for testing the importance of terrestrial carbon cycling models. S. Fuhrer, B. Pielou, C. Pasz, D. C. Frank, A. E. Honi, L. H. Nielsen
1616-1619 Informing Carbon Dynamics in the Anthropocene: Valerie Trouet, University of California, Los Angeles; R. D. Druke, R. M. Moon
1622-1625 Carbon, metals, and nutrients in the资讯oves of a temperate forest carbon cycle model: S. J. Goring, J. A. M. McMath, J. D. Mooney, B. Pielou, T. L. Quaife, S. M. Schaefter, J. W. Sturman
1625-1628 Wetlands and Open Waters in the Global Methane Cycle (joint with T)

Presenting: Elaine Matthews, NASA; Martin Wik, Stockholm University; Torsten Sachs, GFZ German Research Center for Geosciences; Robert S. Y von Haefen, University of New Hampshire

1643-1646 Methane fluxes from thawing permafrost wetlands: D. A. Bomberg, D. A. Bomberg, D. A. Bomberg, D. A. Bomberg, D. A. Bomberg, D. A. Bomberg, D. A. Bomberg, D. A. Bomberg, D. A. Bomberg
All information is current as of 14 November, 2014


TECTONOPHYSICS
T24A Marriott Marquis Golden Gate 1 A-D Tuesday 1600h Measuring Topographic Growth through Time (joint with B, EP, PP)
Presiding: Gregory Hoke, Syracuse University; Paul LePichon, University of Connecticut; Jay Quade, University of Arizona; Kathryn Snell, CA Inst of Technology-GPS
1600h T24A-01 Insights into the Late Cenozoic through Early/Middle Eocene Evolution of the Northern Antarctic Cordillera from an Integrated Climate Modelling-Stable Isotope Study: J O Sewall, H C Fricker
1615h T24A-02 Comparison of Palaeo-limnological Proxies from the Golrorn Fjord, California: N A Nissen, L Brez, E Hynd, M T Hov, N D Sheldon
1715h T24A-06 Convective influences on palaeoceanography: implications for the uplift history of the Central Asian plateau: J Galloway, K E Samuels-Crow
1745h T24A-07 Resolving the influences of climatology and topography on water isotopes: D J Auerbach, M T Bintum, M T Shen
1755h T24A-08* Role in Coral Reef Collapse and Species of Hypervolcanic Sates as a Paleosaltwater Proxy Results for Northern Chile (19-21.75°S) Y E Jordan, N J Coutinuro

VOLCANOLOGY, GEOCHEMISTRY AND PETROLOGY
V24A Marriott Marquis Salon 10- 14 Tuesday 1600h Accretionary and Planetary Differentiation Processes As Recorded in Early Earth and Planetary Materials (coordinated by EGL-GMPV) (joint with D, RR, PF)
Presiding: Audrey Bouvier, University of Western Ontario; Mathieu Touboul, University of Maryland College Park; Jeffrey Vervoort, Washington State University
1615h V24A-04 Nebular fractionation of silicon and oxygen for silicon in Earth’s core: N Dauphas, P Forreston, C Burkehart
1630h V24A-05 Constraints on the timing of the Moon-forming giant impact from MORB x-radios: R Parra, S Malkhassian
1645h V24A-06 Sulfur isotope fractionation during planetary differentiation: J Labidi, A Shaker, C L Long, V J Hillimon, B O Myrow, J Fanphur
1700h V24A-07 New insights from old spherules: W Os isotope and HSE evidence for Paleaeomoth mouth paleotemperatures of the Earth: S Tschul, A Luger, C Koebel
1745h V24A-09 An Impaired View of Earth’s Early History: J D Vervoort, A F Kimb, A Baur, A S Bowring, C Fisher

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T24B Marriott Marquis Nob Hill A-D Tuesday 1600h Seismicity, Tectonics, and GeoFluids in South and East Asia II (joint with NC, AS, S)
Presiding: Timothy Byrne, Univ Constance; Kate Chen, Inst of Environmental Earth Sciences; Attilo Kata, University of Tokyo; Hemin Koyi, China University of Petroleum
1700h T24B-01 Simultaneous mountain building in the Tibetan orogen: why LHL, T B Byrne, W H Wang, W L, R J Hsu, H Liu
1715h T24B-02 Seismicity and Tectonic Infill in NE Taiwan: Paleomagnetic Results and Their Implications on Plate Induction and Back-Arc Opening Processes: L Ison cata, C-C Sui
1745h T24B-03 Morphotectonics of the Central Sagging fault West of Manila: Trace of the 1855 Avo Rajeguez Eruption: Y Wang, P Tappinower, T Aung, S T Tun, S N Khaing, S T Khaing, K Sieh
1755h T24B-04 Characterizing the 2011 Sirang Earthquake Sequence in Central Sumatra, Northeast China: N He, F Niu, H Ge
1755h T24B-05 Stress Pattern of the Shanxi Rift System, North China, inferred from the Inversion of New Fault Mechanics: B L K, A, B M, S Borenem, J Harhon
1755h T24B-06 Determining of Hypocenters and Focal Mechanisms Solutions for Sumatra-Earthquakes in Kanto Region, Japan by Template Matching Technique: T Ishik, K Sakai, J Muratou, H Tsumura, S Nakagawa, S Sako, N Hira

OCEAN SCIENCES
OS24B Marriott West 2022-2024 Tuesday 1600h Carbon (Virtual Session)
Presiding: James Murray, University of Washington Seattle Campus; Lynne Talley, University of California San Diego
1700h OS24B-01 Nitrogen Loss Processes and Nitrite Oxide Turnover in Oxygen Minimum Zones: B W Bard

TOWN HALL
TH25A Marriott West 2002 Tuesday 1815h DOE'S Next Generation Experiment Exploration Experiment: Tropics-A Coupled Circuit Experiment in Tropical Pacific Ocean System (joint with A, GC, PA)
TH25B Marriott West 2004 Tuesday 1815h NASA ICESAT-2 Mission Town Hall
TH25C Marriott West 2006 Tuesday 1815h Greenhouse Gas Reductions from Rice Cultivation and the California and Trade-Market (joint with A, GC, PA)
TH25D Marriott West 2008 Tuesday 1815h Leveraging Climate Science for Societal Benefit and Application (joint with ED, GC, PA)
TH25E Marriott West 2003 Tuesday 1815h What's New in the NSF Geosciences
TH25F Marriott West 2005 Tuesday 1815h Space Science and Aerospace Engineering Agency Night (joint with SA, SH, SM)

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