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AGU-FM12  
December 03 - 07, 2012

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Monday, December 03, 2012

Time	Session Info
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>A11B. Atmospheric Sciences General Contributions: Understanding the Atmosphere Using Observations Posters</b>	
8:00-8:00 AM	<b>A11B-0048. Using satellite measurements of stable water isotopes to constrain hydrologic processes in the isotope-enabled Community Atmosphere Model.</b> <u>J. Nusbaumer</u> ; C. Bardeen; D.C. Noone
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>ED11C. Education General Contributions I Posters</b>	
8:00-8:00 AM	<b>ED11C-0765. Antecedent Moisture Conditions and the Application to Runoff Prediction in a Low Relief Peatland</b> J. Gibson; <u>J. Gibson</u> ; S.J. Birks
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>GC11C. Findings From Climate Change Assessments: Posters From the US National Climate Assessment and the North American Regional Climate Change Assessment Program</b>	
8:00-8:00 AM	<b>GC11C-1008. A Method for Downscaling Regional Climate Model Projections of Temperature and Precipitation Using Local Topographic Lapse Rates</b> <u>S.J. Praskievicz</u> ; P.J. Bartlein
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>H11D. Groundwater-Surface Water Interactions: Dynamics Across Spatial and Temporal Scales I Posters</b>	
8:00-8:00 AM	<b>H11D-1219. On the applicability of available methods for estimating daily evapotranspiration by using diurnal water table fluctuations</b> <u>P. Wang</u> ; S.P. Pozdniakov; M. Lekhov; J. Yu
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>H11E. Groundwater-Surface Water Interactions: Three Decades of Transient Storage Analysis to Understand River Transport and Watershed Connections Posters</b>	
8:00-8:00 AM	<b>H11E-1235. Thirty years of interpreting stream tracer data: A look back, a look sideways, and a look forward (<i>Invited</i>)</b> <u>R.L. Runkel</u>
8:00-8:00 AM	<b>H11E-1243. MODELING THE THERMAL BALANCE BETWEEN RIVER ICE AND GROUNDWATER SPRINGS</b> <u>C. Jones</u> ; K. Kielland; L.D. Hinzman
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>H11F. Hydrological, Geomorphological, Biological, and Geochemical Processes in Karst Aquifers Posters</b>	
8:00-8:00 AM	<b>H11F-1253. Groundwater surface water mixing in a semi-confined karst aquifer using field and particle tracking forward-model inversions</b> <u>S.B. Meyerhoff</u> ; R.M. Maxwell; A. Revil; J.B. Martin; M. Karaoulis; W.D. Graham

8:00-8:00 AM	H11F-1256. Comparison between limestone and glacial karst evolution mechanisms <i>(Invited)</i> <u>H. Rajaram</u>
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>IN11B. Informatics in Hydrological Modeling and Information Communication Posters</b>	
8:00-8:00 AM	IN11B-1462. Plug-and-Play Hydrologic Modeling: Is That Really Possible? <i>(Invited)</i> <u>S.D. Peckham</u>
8:00-8:00 AM	IN11B-1463. Advancing Cyberinfrastructure to support high resolution water resources modeling <i>(Invited)</i> <u>D.G. Tarboton</u> ; F.L. Ogden; N. Jones; J.S. Horsburgh
8:00-8:00 AM	IN11B-1468. Integration of Earth System Models and Workflow Management under iRODS for the Northeast Regional Earth System Modeling Project <u>F. Lengyel</u> ; P. Yang; B. Rosenzweig; C.J. Vorosmarty
8:00-8:00 AM	IN11B-1470. Design and Application of an Ontology for Component-Based Modeling of Water Systems <u>M. Elag</u> ; J.L. Goodall
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>IN11E. Standard Service Based Approaches to Hydrological Modeling and Workflows Posters</b>	
8:00-8:00 AM	IN11E-1492. Application of the Open Geospatial Consortium (OGC) Web Processing Service (WPS) Standard for Exposing Water Models as Web Services <i>(Invited)</i> <u>J.L. Goodall</u> ; A.M. Castronova; N. Huynh; J.M. Caicedo
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>OS11D. Severe Weather and Estuarine/Coastal Ocean Dynamics Posters</b>	
8:00-8:00 AM	OS11D-1691. The response of Long Island Sound Circulation to Nor'easters and Hurricanes <i>(Invited)</i> <u>J. O'Donnell</u> ; T. Fake; J. O'Donnell
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>T11B. Crustal Growth and the Geodynamics of Unstable Lithosphere I Posters</b>	
8:00-8:00 AM	T11B-2566. Convective Removal of the Northeastern Portion of the North-American Tectospheric Root and the Late Cenozoic Uplift of the Appalachians <u>R. Moucha</u> ; D.B. Rowley; V.L. Levin; N.A. Simmons; A.M. Forte
8:00 AM-10:00 AM, 2020 (Moscone West), <b>IN11F. Open Source Technologies and Architectures Facilitating Science Data Center Collaboration and Management II</b>	
8:30-8:45 AM	IN11F-03. Combining data from multiple sources using the CUAHSI Hydrologic Information System <i>(Invited)</i> <u>D.G. Tarboton</u> ; D.P. Ames; J.S. Horsburgh; J.L. Goodall
8:00 AM-10:00 AM, 2006 (Moscone West), <b>B11E.* New Mechanisms, Feedbacks, and Approaches for Improving Predictions of the Global Carbon Cycle in Earth System Models I</b>	

9:30-9:45 AM (Conflict)	<b>B11E-07. Mechanisms driving ocean carbon cycle response to rising atmospheric CO<sub>2</sub>: results from the Community Earth System Model, version 1</b> <u>M. Long</u> ; K.T. Lindsay; J.K. Moore; S.C. Doney
8:00 AM-10:00 AM, 3007 (Moscone West), <b>C11A. Exploration Geophysics and In Situ Monitoring of Glaciers and Ice Streams I</b>	
9:30-9:45 AM (Conflict)	<b>C11A-07. Seismicity and Subglacial Hydrological Processes During Early Melt Season, Engabreen, Norway</b> <u>P.L. Moore</u> ; J. Winberry; K. Christianson; N.R. Iverson; S. Anandakrishnan; M. Jackson; D.O. Cohen
8:00 AM-10:00 AM, 3020 (Moscone West), <b>H11N. Remote Sensing Applications in Hydrology I</b>	
9:30-9:45 AM (Conflict)	<b>H11N-07. Downscaling Soil Moisture Product from SMOS for Monitoring Agricultural Droughts in South America</b> <u>K. Nagarajan</u> ; C. Fu; J. Judge; C. Fraisse
8:00 AM-10:00 AM, 2007 (Moscone West), <b>P11G.* Planetary Atmospheres and Evolution I</b>	
9:30-9:45 AM (Conflict)	<b>P11G-07. Can waterbelt climates resolve the faint young Sun paradox?</b> <u>E.T. Wolf</u> ; O.B. Toon
10:20 AM-12:20 PM, 3016 (Moscone West), <b>H12B. Groundwater-Surface Water Interactions: Quantifying Their Functional Relevance With Measurements and Models of Water and Solute Dynamics I</b>	
10:20-10:35 AM	<b>H12B-01. Intermediate-Timescale Vertical Exchange in a Peatland and Implications for Landscape Patterning (<i>Invited</i>)</b> <u>L.G. Larsen</u> ; J.W. Harvey; M.M. Maglio
10:20 AM-12:20 PM, 310 (Moscone South), <b>V12B. Petrologic Insights on Magmatic Processes Controlling Shifts in Eruption Style I: Cosponsored by MSA</b>	
10:35-10:50 AM (Conflict)	<b>V12B-02. NanoSIMS results from olivine-hosted melt embayments: Modeling ascent rate in explosive basaltic eruptions</b> <u>A.S. Lloyd</u> ; T. Plank; P. Ruprecht; E.H. Hauri; H.M. Gonnermann; W.I. Rose
10:20 AM-12:20 PM, 3001 (Moscone West), <b>GC12B. Sustainable Future: Climate, Resources, and Development I</b>	
10:40-10:50 AM (Conflict)	<b>GC12B-03. A Regional Earth System Model of the Northeast Corridor: Analyzing 21st Century Climate and Environment (<i>Invited</i>)</b> <u>C.J. Vorosmarty</u> ; F. Duchin; J.M. Melillo; W.M. Wollheim; J. Gonzalez; D.W. Kicklighter; B. Rosenzweig; P. Yang; F. Lengyel; B.M. Fekete
10:20 AM-12:20 PM, 3024 (Moscone West), <b>OS12B. Nearshore Processes II</b>	
10:50-11:05 AM (Conflict)	<b>OS12B-03. Intermittent ephemeral river-breaching</b> <u>A.J. Reniers</u> ; J.H. MacMahan; E.L. Gallagher; A. Shanks; S. Morgan; M. Jarvis; E.B. Thornton; J. Brown; A. Fujimura

10:20 AM-12:20 PM, 3001 (Moscone West), <b>GC12B. Sustainable Future: Climate, Resources, and Development I</b>	
11:00-11:10 AM (Conflict)	<b>GC12B-05. Sharing Water Data to Encourage Sustainable Choices in Areas of the Marcellus Shale (Invited)</b> <u>S.L. Brantley</u> ; J.D. Abad; J. Vastine; D. Yoxtheimer; C. Wilderman; R. Vidic; R.P. Hooper; K. Brasier
10:20 AM-12:20 PM, 2020 (Moscone West), <b>IN12A. Free and Open Source Software (FOSS) for Geoinformatics and Geosciences I</b>	
11:05-11:20 AM (Conflict)	<b>IN12A-04. From Particles and Point Clouds to Voxel Models: High Resolution Modeling of Dynamic Landscapes in Open Source GIS (Invited)</b> <u>H. Mitsova</u> ; E.J. Hardin; A. Kratochvilova; M. Landa
10:20 AM-12:20 PM, 2007 (Moscone West), <b>P12B.* Planetary Atmospheres and Evolution II</b>	
11:05-11:20 AM (Conflict)	<b>P12B-04. An upper limit on Early Mars atmospheric pressure from small ancient craters</b> <u>E.S. Kite</u> ; J. Williams; A. Lucas; O. Aharonson
10:20 AM-12:20 PM, 2020 (Moscone West), <b>IN12A. Free and Open Source Software (FOSS) for Geoinformatics and Geosciences I</b>	
11:20-11:35 AM	<b>IN12A-05. A Modular GIS-Based Software Architecture for Model Parameter Estimation using the Method of Anchored Distributions (MAD)</b> <u>D.P. Ames</u> ; C. Osorio-Murillo; M.W. Over; Y. Rubin
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>A13G. Atmospheric Boundary Layer Processes and Turbulence VI Posters</b>	
1:40-1:40 PM	<b>A13G-0269. A Model of Surface Energy Budget over Water, Snow and Ice Surfaces</b> <u>J. Wang</u> ; R.L. Bras
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>A13I. Ice Nucleation and Properties of Cold Clouds III Posters</b>	
1:40-1:40 PM	<b>A13I-0302. Nanoscale ice measured through in-situ ellipsometry and ESEM.</b> <u>A.L. Miller</u> ; N.B. Magee; M. Amaral
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>C13A. Cryosphere General Contributions Posters</b>	
1:40-1:40 PM	<b>C13A-0595. On Snowball Earth, were all inland-sea refugia created equal?</b> <u>A.J. Campbell</u> ; E.D. Waddington; S.G. Warren
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>C13D. Modeling of the Cryosphere I Posters</b>	
1:40-1:40 PM	<b>C13D-0651. Modeling permafrost and hydrological cycle interactions in CESM</b> <u>S.C. Swenson</u> ; D.M. Lawrence; A.G. Slater; H. Lee
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>EP13C. Earth and Planetary Surface Processes General Contributions III: Remote Sensing, Chronology, Aeolian, Planetary, Coastal, and Marine Posters</b>	

1:40-1:40 PM	<b>EP13C-0859. Multi-resolution estimation of lidar-DTM surface flow metrics to identify characteristic topographic length scales</b> <u>H. Sangireddy</u> ; P. Passalacqua; C.P. Stark
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>GC13A. Assessing Local Impacts of Sea Level Rise to the Natural and Built Environment I Posters</b>	
1:40-1:40 PM	<b>GC13A-1050. Global wave climate change from a community ensemble of wind-wave projections</b> <u>M.A. Hemer</u> ; Y. Fan; N. Mori; A. Semedo; X.L. Wang
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>GP13B. Magnetic Chronostratigraphies and Long-Term Behavior of the Field III Posters</b>	
1:40-1:40 PM	<b>GP13B-1129. Sherman Statistic Reveals Non-Random Behavior in the Phanerozoic Geomagnetic Polarity Time Scale</b> <u>L.A. Hinnov</u> ; P. Olson; P.E. Driscoll
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>H13F. Pushing the Envelope in Remote Sensing for Hydrology: SMOS and Future Mission/Sensor Concepts I Posters</b>	
1:40-1:40 PM	<b>H13F-1425. An Intercomparison of RADARSAT-2, SMOS and Field Measured Soil Moisture in the Berambadi Watershed, South India</b> <u>S.k. Tomer</u> ; A. Al Bitar; M. Sekhar; O. Merlin; S. Bandyopadhyay; Y.H. Kerr
1:40 PM-3:40 PM, 3007 (Moscone West), <b>C13G. In Situ and Field-Based Measurements of the Cryosphere: Avalanches and Other Applications I</b>	
2:10-2:25 PM (Conflict)	<b>C13G-03. High Resolution Radar Measurements of Snow Avalanches</b> <u>J.N. McElwaine</u> ; N.M. Vriend; B. Sovilla; C.J. Keylock; P. Brennan; M. Ash
1:40 PM-3:40 PM, 303 (Moscone South), <b>V13G. Tracing Earth Surface and Deep Processes Using Innovative Isotopic Approaches I: Cosponsored by MSA</b>	
2:10-2:25 PM (Conflict)	<b>V13G-03. How does a single precipitation event erode a landscape? Clues from meteoric 7Be and 10Be analysis of suspended sediments and soils</b> <u>M. Occhi</u> ; J.K. Willenbring; J.M. Kaste; M.A. Scholl; J.B. Shanley
1:40 PM-3:40 PM, 3010 (Moscone West), <b>A13Q. Dynamics and Chemistry of the Coupled Troposphere/Stratosphere System: General Stratospheric Dynamics and Chemistry</b>	
2:25-2:40 PM (Conflict)	<b>A13Q-04. Increased Anthropogenic Sulfur Dioxide Negligibly Impacts Stratospheric Aerosol Compared to Moderate Volcanoes during the decade 2000-2010</b> <u>R.R. Neely</u> ; O.B. Toon; S. Solomon; C. Alvarez; J.M. English; K.H. Rosenlof; M.J. Mills; C. Bardeen; J.S. Daniel; J.P. Thayer
1:40 PM-3:40 PM, 3011 (Moscone West), <b>OS13G. Satellite Ocean and Coastal Applications—Current and Future I</b>	

2:25-2:40 PM (Conflict)	<b>OS13G-04. Detecting Suspended Sediments from Remote Sensed Data in the Northern Gulf of Mexico</b> <u>D.M. Hardin</u> ; S.J. Graves; L. Hawkins; M. He; T. Smith; M. Drewry; S. Ebersole; A. Travis; J. Thorn; B. Brown
1:40 PM-3:40 PM, 3018 (Moscone West), <b>H13K. Integrated Observations, Modeling, and Predictions for Assessing Water and Energy Budgets at Global and Regional Scales and for a New Earth Observing Water Strategy II</b>	
3:10-3:25 PM	<b>H13K-07. Estimating Riverine Water and Constituent Fluxes in a Data Assimilation Framework</b> <u>B.M. Fekete</u> ; P. Saile
4:00 PM-6:00 PM, 3020 (Moscone West), <b>H14E. Remote Sensing Applications in Hydrology IV</b>	
4:00-4:15 PM	<b>H14E-01. Impact Assessment of Large Scale Floods Using Imaging Spectroscopy</b> <u>D. Dutta</u> ; A.E. Goodwell; M. Umar; J. Greenberg; P. Kumar; R. Darmody; J.E. Garvey; R.B. Jacobson; D. Berretta
4:00 PM-6:00 PM, 2003 (Moscone West), <b>B14A. Biogeochemistry of the Deepwater Horizon Oil Spill I</b>	
4:15-4:30 PM	<b>B14A-02. Hydrocarbon biodegradation following Deepwater Horizon: A compound specific point of view (Invited)</b> <u>D.L. Valentine</u> ; M.C. Redmond; S.D. Mendes; C. Aeppli; C.M. Reddy; T.B. Ryerson
4:00 PM-6:00 PM, 306 (Moscone South), <b>T14B. Crustal Growth and the Geodynamics of Unstable Lithosphere II</b>	
4:45-5:00 PM	<b>T14B-04. Linked uplift of the Central and Eastern Anatolian plateaus through slab break-off and upper mantle flow (Invited)</b> <u>T. Schildgen</u> ; D. Cosentino; C. Yildirim; M.R. Strecker; H. Echtler; B. Rojay
4:45 PM-6:00 PM, 300 (Moscone South), <b>NG14B. Pattern Formation in Earth System Sciences II</b>	
5:15-5:30 PM	<b>NG14B-03. Multiple stable states and pattern formation in tidal environments (Invited)</b> <u>M. Marani</u>

Tuesday, December 04, 2012

Time	Session Info
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>A21A.* Aerosols and Air Quality in South Asia: Observations, Modeling, Impacts IV Posters</b>	
8:00-8:00 AM	<b>A21A-0013. FESEM Analysis showing evidence of aerosol Mixing over Indo-Gangetic Plains</b> <u>R.P. Singh</u> ; J. Huth; T. Wagner; M. Sharma; A. Chauhan; S. Singh; S.N. Pandey

8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>B21B. Climate Impacts on Ecosystems Quantified Using a Combination of Proxy Records and Instrumented Observatories II Posters</b>	
8:00-8:00 AM	<b>B21B-0348. Informing tree-ring reconstructions with automated dendrometer data: the case of single-leaf pinyon (<i>Pinus monophylla</i>) from Great Basin National Park, Nevada, USA</b> <u>F. Biondi</u>
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>B21D. Vulnerability of Permafrost Carbon to Climate Change III Posters</b>	
8:00-8:00 AM	<b>B21D-0391. The effects of forest fire on the frozen soil thermal state</b> <u>E.E. Jafarov</u> ; H. Genet; V.E. Romanovsky; A.D. McGuire; S.S. Marchenko
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>C21C. Remote Sensing of the Cryosphere III Posters</b>	
8:00-8:00 AM	<b>C21C-0612. Validation and application of MODIS-derived clean snow albedo and dust radiative forcing</b> <u>K.E. Rittger</u> ; A.C. Bryant; F.C. Seidel; E.H. Bair; M. Skiles; C.E. Goodale; P. Ramirez; C.A. Mattmann; J. Dozier; T. Painter
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>ED21C. Transformative Innovations in Earth, Oceans, and Atmospheric Science Education for Undergraduates Supported by the NSF TUES and CCLI Programs Posters</b>	
8:00-8:00 AM	<b>ED21C-0724. Collaborative Research: Bringing Problem Solving in the Field into the Classroom: Developing and Assessing Virtual Field Trips for Teaching Sedimentary and Introductory Geology</b> <u>P. Wang</u> ; M. Caldwell
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>GC21E. Sustainable Future: Climate, Resources, and Development II Posters</b>	
8:00-8:00 AM	<b>GC21E-1012. The application of exergy to human-designed systems</b> <u>P. Hamilton</u>
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>H21A. Advanced Computational Modeling Paradigms for Hydrologic Systems Posters</b>	
8:00-8:00 AM	<b>H21A-1158. CI-WATER HPC Model: Cyberinfrastructure to Advance High Performance Water Resources Modeling in the Intermountain Western U.S.</b> <u>F.L. Ogden</u> ; W. Lai; C.C. Douglas; S.N. Miller; Y. Zhang
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>H21C. How Valuable are Hydroclimatic Forecasts for Water Resources Systems Operation? Posters</b>	
8:00-8:00 AM	<b>H21C-1187. Risky Business: Development, Communication and Use of Hydroclimatic Forecasts (<i>Invited</i>)</b> <u>U. Lall</u>
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>NH21A. Coastal Inundation for Present and Future Climates I Posters</b>	

8:00-8:00 AM	<b>NH21A-1579. Potential Effects of SLR and Land-Cover Changes on Hurricane Surge and Damage</b> <u>C. Ferreira</u> ; J.L. Irish; F. Olivera
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>OS21B. Nearshore Processes V Posters</b>	
8:00-8:00 AM	<b>OS21B-1691. Observations of Currents in Two Tidally Modulated Inlets</b> <u>T.C. Lippmann</u> ; J.D. Irish; J. Hunt
8:00-8:00 AM	<b>OS21B-1733. Performance of a process-based hydrodynamic model in predicting shoreline change</b> <u>I. SAFAK</u> ; J.C. Warner; J.H. List
8:00-8:00 AM	<b>OS21B-1749. Computer Simulations of Self-Organized Bedforms in Tidal Inlets and River Mouths</b> <u>E. Gallagher</u>
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>PP21B. The Climate of the Common Era III Posters</b>	
8:00-8:00 AM	<b>PP21B-1975. Using ice sheet models simulations of the last glacial period for the reconstruction of late Holocene ground surface temperatures from borehole temperature profiles</b> <u>V. Rath</u> ; J. Álvarez-Solas; A. Robinson; M. Montoya-Redondo
8:00-8:00 AM	<b>PP21B-2012. Forest Composition and Biomass at Euroamerican Settlement in the Upper Great Lakes</b> <u>J.W. Williams</u> ; S.J. Goring; W. Brooks; C. Cogbill; M.C. Dietze; S.T. Jackson; J.S. McLachlan; D.J. Mladenoff; C. Paciorek; A. Thurman; J. Zhu
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>SH21A. Multipoint Observations and Modeling of Solar Energetic Particle Events I Posters</b>	
8:00-8:00 AM	<b>SH21A-2166. Measurements of Charge States of Solar Energetic Ions Observed by the STEREO Instruments</b> <u>W.F. Dietrich</u> ; A.J. Tylka
8:00 AM-10:00 AM, 2008 (Moscone West), <b>PP21C.* Continental Input Into the Atmosphere and Ocean, Present and Past II</b>	
8:15-8:30 AM (Conflict)	<b>PP21C-02. The magnitude, timing and abruptness of changes in North African dust deposition over the last 20,000 years: Insights into regional atmospheric circulation and dust-related climate impacts</b> <u>D. McGee</u> ; P.B. deMenocal; G. Winckler; J.W. Stuut; L.I. Bradtmiller; N.M. Mahowald; S. Albani
8:00 AM-10:00 AM, 103 (Moscone South), <b>V21C.* A Comprehensive Understanding of the Melting Processes at Subduction Zones I (Video On-Demand)</b>	
8:15-8:30 AM (Conflict)	<b>V21C-02. Hot 'nough for ya?: Controls and Constraints on modeling flux melting in subduction zones</b> ( <i>Invited</i> ) <u>M. Spiegelman</u> ; C.R. Wilson; P. van Keken; P.B. Kelemen; B.R. Hacker
8:00 AM-10:00 AM, 2010 (Moscone West), <b>PP21D. Extreme Climates and Mass Extinction Events: Mechanisms and Ecosystem Resilience I</b>	

8:36-8:52 AM (Conflict)	PP21D-03. Geochemistry and Cyclostratigraphy of Magnetic Susceptibility data from the Frasnian-Famennian event interval in western Canada: Insights in the pattern and timing of a biotic crisis <u>M.T. Whalen</u> ; <u>D. De Vleeschouwer</u> ; <u>M.G. Sliwinski</u> ; <u>P.F. Claeys</u> ; <u>J.E. Day</u>
8:00 AM-10:00 AM, 3003 (Moscone West), GC21G. Assessing Local Impacts of Sea Level Rise to the Natural and Built Environment II	
8:45-9:00 AM (Conflict)	GC21G-04. Future sea level rise assessment by constrained extrapolation ( <i>Invited</i> ) <u>W.T. Pfeffer</u> ; <u>B. Rajagopalan</u>
8:00 AM-10:00 AM, 3011 (Moscone West), OS21G. Marine Geohazards I	
9:30-9:45 AM	OS21G-07. Transport dynamics of mass failures along weakly cohesive clinoform foresets <u>A. Abeyta</u> ; <u>C. Paola</u>
10:20 AM-12:20 PM, 3008 (Moscone West), GC22C. Geomorphology, Ecology, and Climate Coupling in Mountain Environments	
10:50-11:05 AM (Conflict)	GC22C-03. Coupled Modeling of Geomorphology and Ecohydrology: Topographic feedbacks driven by solar radiation ( <i>Invited</i> ) <u>E. Istanbuluoglu</u> ; <u>J.H. Flores Cervantes</u> ; <u>O. Yetemen</u>
10:20 AM-12:20 PM, 2018 (Moscone West), SM22D. Strategies and Innovative Approaches for the Future of Space Weather Forecasting: Science and Infrastructure I	
10:56-11:04 AM (Conflict)	SM22D-04. The Main Pillar: Assessment of Space Weather Observational Asset Performance Supporting Nowcasting, Forecasting and Research to Operations <u>A. Posner</u> ; <u>M. Hesse</u> ; <u>C. St.Cyr</u>
10:20 AM-12:20 PM, 3011 (Moscone West), G22A. 4-D LiDAR Topography and Geodetic Imaging I	
11:05-11:20 AM	G22A-04. Space-Time Cube Analytics of Evolving Landforms Captured by Airborne and Terrestrial Lidar ( <i>Invited</i> ) <u>H. Mitasova</u> ; <u>M.J. Starek</u> ; <u>E.J. Hardin</u> ; <u>K.W. Wegmann</u> ; <u>B.S. Blundell</u>
10:20 AM-12:20 PM, 2020 (Moscone West), IN22A. Data Stewardship, Citation With Confidence, and Preparing Next Generation of Data Managers I	
11:20-11:35 AM	IN22A-05. Use of Persistent Identifiers to link Heterogeneous Data Systems in the Integrated Earth Data Applications (IEDA) Facility <u>L. Hsu</u> ; <u>K.A. Lehnert</u> ; <u>S.M. Carbotte</u> ; <u>R.A. Arko</u> ; <u>V. Ferrini</u> ; <u>S.H. O'hara</u> ; <u>J.D. Walker</u>
10:20 AM-12:20 PM, 3008 (Moscone West), GC22C. Geomorphology, Ecology, and Climate Coupling in Mountain Environments	
11:35-11:50 AM	GC22C-06. Spatiotemporal characteristics of climatic forcing of erosion – examples from the southern Central Andes and the Himalaya ( <i>Invited</i> ) <u>B. Bookhagen</u> ; <u>M.R. Strecker</u>

1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>EP23A. Aeolian Processes and Desert Landscape Development: Feedbacks Among Atmospheric Boundary Layer Turbulence, Sediment Transport, and Morphodynamics I Posters</b>	
1:40-1:40 PM	<b>EP23A-0789. Explaining the surprisingly poor correlation between turbulent surface wind and aeolian sand flux</b> <u>R.L. Martin</u> ; T.E. Barchyn; C. Hugenholtz; D.J. Jerolmack; J.F. Kok
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>EP23C. Biophysical Interactions in Riverine Landscapes I Posters</b>	
1:40-1:40 PM	<b>EP23C-0820. Riverine biophysical interactions in the form of channel-spanning logjams in the Colorado Front Range, USA</b> <u>E.E. Wohl</u> ; N.D. Beckman
1:40-1:40 PM	<b>EP23C-0825. Can erosion control structures in large dryland arroyo channels lead to resilient riparian and cienega restoration? Observations from LiDAR, monitoring and modeling at Rancho San Bernardino, Sonora, MX</b> <u>S. DeLong</u> ; W.M. Henderson
1:40-1:40 PM	<b>EP23C-0826. Biophysical Controls on Carbon Cycling in Restored and Unrestored Urban Streams</b> <u>L.G. Larsen</u> ; J.W. Harvey; J.D. Singh; G.A. Sinclair; T. Langston; M.M. Maglio
1:40-1:40 PM	<b>EP23C-0834. Toward a Rapid Synthesis of Field and Desktop Data for Classifying Streams in the Pacific Northwest: Guiding the Sampling and Management of Salmonid Habitat</b> <u>A. Kasprak</u> ; J.M. Wheaton; N. Bouwes; N.P. Weber; N.C. Trahan; C.E. Jordan
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>EP23D. Modeling Developments for Sediment Transport and Other Multiphase Flows: From Steep Upland Regions to Riverine, Estuary, and Coastal Environments I Posters</b>	
1:40-1:40 PM	<b>EP23D-0847. A Grain Scale Non-Equilibrium Sediment Transport Model for Unsteady Flow</b> <u>J.G. Duan</u> ; S. Zhang
1:40-1:40 PM	<b>EP23D-0848. A combined non-linear and non-local model for sediment transport in depositional systems</b> <u>F. Falcini</u> ; V. Ganti; C. Paola; E. Foufoula; V.R. Voller
1:40-1:40 PM	<b>EP23D-0849. Paradigm for Subgrid Scale Closure Modeling in Multiphase Geophysical Flows</b> <u>J. Calantoni</u> ; J. Simeonov; A.M. Penko; S.P. Bateman; M.L. Palmsten; K. Holland
1:40-1:40 PM	<b>EP23D-0858. Simulation of Sediment Wave Generation and Maintenance</b> <u>G.D. Hoffmann</u> ; E.H. Meiburg; M. Nasr-Azadani
1:40-1:40 PM	<b>EP23D-0859. Numerical simulation of turbulence and sediment transport of medium sand</b> <u>M.W. Schmeeckle</u>
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>EP23E. The Future of Human-Landscape Systems I Posters</b>	

1:40-1:40 PM	<b>EP23E-0863. Liquidation sales: Land speculation and landscape change</b> <u>E. Lazarus</u>
1:40-1:40 PM	<b>EP23E-0865. Can human activities alter the drowning fate of barrier islands?</b> <u>J. Lorenzo-Trueba</u> ; A.D. Ashton; D. Jin; P. Hoagland; H. Kite-Powell
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>G23A. 4-D LiDAR Topography and Geodetic Imaging II Posters</b>	
1:40-1:40 PM	<b>G23A-0887. Development of an Online Archive for Terrestrial Lidar Data</b> <u>C. Crosby</u> ; B.W. Lowry; J. McWhirter ; D.A. Phillips; C.M. Meertens
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>H23E. Reactive Transport in Permeable Media II Posters</b>	
1:40-1:40 PM	<b>H23E-1428. Hydrodynamic Heat Transport Measured at the Field Scale</b> <u>M.W. Becker</u> ; B. Bauer; A. Hutchinson
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>H23F. Sociohydrology: Discovering Patterns in Coupled Human-Water Resource Systems II Posters</b>	
1:40-1:40 PM	<b>H23F-1446. Impacts and socio-ecological feedbacks associated with regionalization of water supply in a suburban New England watershed</b> <u>W.M. Wollheim</u> ; R.J. Stewart; C. Polsky; R. Pontius; C. Hopkinson
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>SM23D. The Role of Magnetosphere-ionosphere Coupling in Producing Different Magnetospheric Convection Modes II Posters</b>	
1:40-1:40 PM	<b>SM23D-2334. An introduction to MIT mission</b> <u>Y. Liu</u> ; C. Wang; J. Xu
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>T23D. How Well Do We Predict Fractures and Their Patterns? II Posters</b>	
1:40-1:40 PM	<b>T23D-2702. Bounds on fault strength based on simulation of "rider block" structures emerging from brittle lithosphere extension</b> <u>E. Choi</u> ; W.R. Buck; L.L. Lavier; K. Petersen
1:40 PM-3:40 PM, 3016 (Moscone West), <b>H23L. Water Resources Management and Policy in a Changing World: Integrated Planning and Assessment</b>	
2:10-2:25 PM	<b>H23L-03. Putting the Hydrology Back in Water Resources: Recent Efforts to Improve Representation of Physical Hydrology in Water Resources Planning and Operations Models</b> <u>I.M. Ferguson</u> ; N. Parker; A. Draper; E.C. Dogrul; L.E. Condon
1:40 PM-3:40 PM, 3011 (Moscone West), <b>OS23D. Oceanography, Sediment Transport, and Geomorphic Evolution of San Francisco Bay and Gulf of Farallones II</b>	
2:40-2:55 PM	<b>OS23D-05. Simulating Sediment Transport Processes in San Francisco Bay Using Coupled Hydrodynamic, Wave, and Sediment Transport Models</b> <u>A.J. Bever</u> ; M. MacWilliams

4:00 PM-6:00 PM, 306 (Moscone South), <b>T24C. The Geodynamics of High Topography: Exploring the Interactions Between Solid Earth, Hydrosphere, and Atmosphere II</b>	
5:15-5:30 PM (Conflict)	<b>T24C-06. Deformation and incision of the western margin of the Central Andean Plateau, S. Peru and N. Chile</b> ( <i>Invited</i> ) <u>T. Schildgen</u>
4:00 PM-6:00 PM, 2022-2024 (Moscone West), <b>OS24C. Living on the Edge: Societies on the Front Line of Coastal Change I (Video On-Demand)</b>	
5:18-5:33 PM (Conflict)	<b>OS24C-07. How sea level rise and storm climate impact the looming morpho-economic bubble in coastal property value.</b> ( <i>Invited</i> ) <u>D. McNamara</u> ; A. Keeler; M. Smith; S. Gopalakrishnan; A. Murray

Wednesday, December 05, 2012

Time	Session Info
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>A31A. Atmospheric Sciences General Contributions: Water Vapor Posters</b>	
8:00-8:00 AM	<b>A31A-0016. Surface measurements of upper tropospheric water vapor isotopic composition from the Chajnantor Plateau, Chile: First results from a long-term measurement program</b> <u>J. Galewsky</u> ; D. Ward; A. Lechler
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>B31A. Disturbance Impacts and Responses III Posters</b>	
8:00-8:00 AM	<b>B31A-0401. Landscape Vulnerability Analysis from Historic Lower Mississippi River Flood in 2011</b> <u>A.E. Goodwell</u> ; Z. Zhu; D. Dutta; J. Greenberg; P. Kumar; M.H. Garcia; B.L. Rhoads; G. Parker; D. Berretta; R.R. Holmes
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>C31A. Geological Controls on Ice Dynamics I Posters</b>	
8:00-8:00 AM	<b>C31A-0577. High Heat-Flow Beneath the Central Portion of the West Antarctic Ice Sheet</b> <u>G.D. Clow</u> ; K.M. Cuffey; E.D. Waddington
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>EP31A. Advances in Numerical Modeling of River Fluxes Under Changing Environmental Conditions I Posters</b>	
8:00-8:00 AM	<b>EP31A-0795. Plunge location of sediment driven hyperepycnal river discharges considering bottom friction, lateral entrainment, and particle settling</b> <u>K.B. Strom</u> ; J. Bhattacharya
8:00-8:00 AM	<b>EP31A-0800. Effects of lateral momentum transfer on the predication of river flow and flood inundation</b> <u>D. Yu</u> ; J. Yin

8:00-8:00 AM	<b>EP31A-0802. Empirical estimates of the dominant environmental forcings on the relative sea level change of river delta systems</b> <u>Z.D. Tessler</u> ; C.J. Vorosmarty
8:00-8:00 AM	<b>EP31A-0806. Capacity of river networks to buffer thermal impacts of power plants in the northeastern US</b> <u>R.J. Stewart</u> ; W.M. Wollheim; A. Miara; B. Rosenzweig; C.J. Vorosmarty
8:00-8:00 AM	<b>EP31A-0807. Using numerical models to place constraints on fluvial input into glacial lakes, Southern Alps, New Zealand</b> <u>P. Upton</u> ; M.J. Vandergoes; P. Stumpner; R.H. Levy; H.A. Roop; S. Fitzsimons; J.D. Howarth; A.R. Gorman; G. Dunbar; A. Kettner
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>EP31B. Ecogeomorphology: Footprints on a Landscape I Posters</b>	
8:00-8:00 AM	<b>EP31B-0808. The interaction between vegetation and channel dynamics based on experimental findings</b> <u>R. Teske</u> ; W.M. Van Dijk; W. Van De Lageweg; M.G. Kleinhans
8:00-8:00 AM	<b>EP31B-0811. The Signature of Life in Stabilized Dune Topography</b> <u>T.E. Barchyn</u> ; C. Hugenholtz
8:00-8:00 AM	<b>EP31B-0812. Alluvial deposits and plant distribution in an Amazonian lowland megafan</b> <u>H. Zani</u> ; D. Rossetti; É. Cremon; M. Cohen; L.C. Pessenda
8:00-8:00 AM	<b>EP31B-0816. Does Moss Grow on a Rolling Stone? The Influence of Precipitation Phase on Streamflow Characteristics, Bed Particle Transport and Periphyton Development in 18 Mountain Channels, Central Idaho</b> <u>C. Tennant</u> ; B.T. Crosby; C. Baxter
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>EP31C. Quantifying Hillslope and Fluvial Processes Through Change Detection Using High-Resolution, Multitemporal Topographic Data I Posters</b>	
8:00-8:00 AM	<b>EP31C-0822. Geomorphic Change Detection and Quantification Using LiDAR, SONAR and RTK-GPS of Sandbars along the Snake River in Hells Canyon</b> <u>M.D. Morehead</u> ; T. Wilson; M. Butler; N. Seal
8:00-8:00 AM	<b>EP31C-0823. Dynamic Feedbacks Between Flow, Erosion and Evolving River Bank Roughness Revealed Through Repeat High-Resolution Topographic Surveys</b> <u>J. Leyland</u> ; S.E. Darby; M. Rinaldi; L.B. Teruggi; D. Ostuni
8:00-8:00 AM	<b>EP31C-0832. Quantifying post-wildfire erosion patterns using terrestrial LiDAR</b> <u>F. Rengers</u> ; G.E. Tucker; J.A. Moody
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>EP31D. Tracers, Transport, and Topography: Theory and Technology for Tractive Tracking I Posters</b>	

8:00-8:00 AM	EP31D-0841. On the influence of varying stream discharge on bed topography and tracer migration in gravel bedded channels <u>A. Singh</u> ; K.E. Sweeney; P. Wilcock; E. Foufoula
8:00 AM-10:00 AM, 2003 (Moscone West), <b>EP31E. Aeolian Processes and Desert Landscape Development: Feedbacks Among Atmospheric Boundary Layer Turbulence, Sediment Transport, and Morphodynamics II</b>	
8:00-8:15 AM (Conflict)	EP31E-01. Feedbacks between roughness and boundary-layer aerodynamics control desert dune field evolution ( <i>Invited</i> ) <u>D.J. Jerolmack</u> ; R.C. Ewing; F. Falcini; R.L. Martin; C. Masteller; <u>C.B. Phillips</u> ; M.D. Reitz
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>GC31A. Environmental, Socioeconomic, and Climatic Change in Northern Eurasia and Their Feedbacks to the Global Earth System III Posters</b>	
8:00-8:00 AM	GC31A-0966. A decision-tree-based method for reconstructing disturbance history in the Russia boreal forests over 30 years <u>D. Chen</u> ; T.V. Loboda
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>GC31B. Environmental, Socioeconomic, and Climatic Change in Northern Eurasia and Their Feedbacks to the Global Earth System IV Posters</b>	
8:00-8:00 AM	GC31B-0989. Historical Snow Cover and Water Resources Change in central Asia <u>H. ZHOU</u> ; E. Aizen; V.B. Aizen
8:00-8:00 AM	GC31B-0995. Bayesian Multimodel Projection of Temperature Change in Eurasia <u>C. Miao</u> ; Q. Duan; C. Wang
8:00 AM-10:00 AM, 3001 (Moscone West), <b>GC31D. Natural- and Human-induced Changes in Global Water Cycle and Implications for Water Resources I</b>	
8:00-8:15 AM (Conflict)	GC31D-01. Water Cycle Change and the Human Fingerprint on the Water Landscape of the 21st Century: Observations from a Decade of GRACE ( <i>Invited</i> ) <u>J.S. Famiglietti</u>
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>H31C. Making the Connection: Development and Application of Climate Projections for Water Resources Planning and Operations Posters</b>	
8:00-8:00 AM	H31C-1124. Development of climate projections for water resources planning <u>E.D. Gutmann</u> ; M.P. Clark; L.D. Brekke; J. Arnold; T. Pruitt; C. Liu; K. Ikeda; R. Rasmussen
8:00-8:00 AM	H31C-1129. Evaluating the influence of summer monsoon intensity on the runoff of the middle Yellow River Basin <u>D. Chen</u> ; M. Lv
8:00 AM-10:00 AM, 3022 (Moscone West), <b>H31N. Recent Advances in Modeling Water in the Coupled Earth System I</b>	

8:00-8:15 AM (Conflict)	<b>H31N-01. Progress and opportunities in Earth System model coupling with emphasis on hydrological model components</b> <i>(Invited)</i> <u>D.J. Gochis</u> ; S.D. Peckham; J.S. Arrigo; J.S. Famiglietti; C.M. Ammann; J.T. Reager; J. Edman
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>SH31A. Interaction of Coronal Mass Ejections With Coronal and Heliospheric Structures III Posters</b>	
8:00-8:00 AM	<b>SH31A-2200. The role of streamers in the deflection of coronal mass ejections: comparison between STEREO 3D reconstructions and numerical simulations</b> <u>F.P. Zuccarello</u> ; A. Bemporad; C. Jacobs; M. Mierla; S. Poedts; F. Zuccarello
8:00 AM-10:00 AM, 2003 (Moscone West), <b>EP31E. Aeolian Processes and Desert Landscape Development: Feedbacks Among Atmospheric Boundary Layer Turbulence, Sediment Transport, and Morphodynamics II</b>	
8:15-8:30 AM	<b>EP31E-02. The role of dune interactions and wind fluctuations in the selection of dune sizes within barchan fields</b> <i>(Invited)</i> <u>O. Duran Vinent</u> ; E.J. Parteli; H.J. Herrmann
8:00 AM-10:00 AM, 302 (Moscone South), <b>ED31C. Climate Literacy: Reaching Diverse Audiences Through Informal Education Experiences, Public Outreach, and Community Programs I</b>	
8:30-8:45 AM	<b>ED31C-03. The potential roles of science centers in climate change adaptation</b> <u>P. Hamilton</u>
8:00 AM-10:00 AM, 3009 (Moscone West), <b>G31C. Decade-Long Mass Flux Measurements From GRACE: Status and Future Prospects I</b>	
9:00-9:15 AM (Conflict)	<b>G31C-05. Contributions to Terrestrial and Global Hydrology from a Decade of GRACE Measurements</b> H. Kim; J.S. Famiglietti; M. Rodell; J.T. Reager; T.H. Syed; M. Lo; D.P. Chambers; S.C. Swenson
8:00 AM-10:00 AM, 3001 (Moscone West), <b>GC31D. Natural- and Human-induced Changes in Global Water Cycle and Implications for Water Resources I</b>	
9:00-9:15 AM (Conflict)	<b>GC31D-05. Advancing global hydro-climatological data archives to support climate change impact assessments on water resources</b> <u>P. Saile</u>
8:00 AM-10:00 AM, 3022 (Moscone West), <b>H31N. Recent Advances in Modeling Water in the Coupled Earth System I</b>	
9:00-9:15 AM (Conflict)	<b>H31N-05. Service-Oriented Approach to Coupling Earth System Models and Modeling Frameworks</b> <i>(Invited)</i> J.L. Goodall; K.D. Saint; M.B. Ercan; L.J. Briley; S. Murphy; H. You; C. DeLuca; R.B. Rood
9:45-10:00 AM	<b>H31N-08. The Essential Terrestrial Variables (ETV's) in Support of a National Framework for Numerical Watershed Prediction</b> <i>(Invited)</i> <u>C. Duffy</u> ; L.N. Leonard; S. Ahalt; R. Idaszak; D. Tarboton; R.P. Hooper; L.E. Band

10:20 AM-12:20 PM, 3001 (Moscone West), <b>GC32B. Observed and Projected Climate Change Impacts on Water Resources and Agriculture I</b>	
10:20-10:35 AM (Conflict)	<b>GC32B-01. Shining India?: Assessing and addressing the risks from an unsustainable trajectory of climate, water, food, energy and income inequity (<i>Invited</i>)</b> <u>U. Lall</u>
10:20 AM-12:20 PM, 3024 (Moscone West), <b>OS32A. Interpretation of Tsunami and Storm Deposits I</b>	
10:20-10:35 AM (Conflict)	<b>OS32A-01. Combined Flow Bedforms: Descriptions and Implications for Understanding Ancient Storms Deposits</b> <u>M.M. Perillo</u> ; S. David; J.L. Best; M.H. Garcia
10:20 AM-12:20 PM, 3007 (Moscone West), <b>C32B. Diagnosing Modeling Deficiencies and the Recent Advances in Monitoring, Measuring, and Modeling Snow Processes I</b>	
10:50-11:05 AM	<b>C32B-03. Evaluation of spatially distributed snow models for streamflow forecasting (<i>Invited</i>)</b> <u>K.E. Rittger</u> ; J. Dozier; A. Kahl
10:20 AM-12:20 PM, 2002 (Moscone West), <b>B32D. Remote Characterization of Vegetation Structure, Function, and Condition I</b>	
11:50-12:05 PM (Conflict)	<b>B32D-08. Subcanopy Solar Radiation Model: an irradiation model for predicting light in heavily vegetated landscapes</b> <u>C.A. Bode</u> ; M.P. Limm; J.C. Finlay; M. Power
10:20 AM-12:20 PM, 3005 (Moscone West), <b>C32A. Climate-Glacier Dynamics in the Himalaya II</b>	
11:56-12:08 PM (Conflict)	<b>C32A-07. Glacier surge triggered by massive rock avalanche: Teleseismic and satellite image study of long-runout landslide onto RGO Glacier, Pamirs</b> <u>C.P. Stark</u> ; M. Wolovick; G. Ekstrom
10:20 AM-12:20 PM, 3022 (Moscone West), <b>H32E. Patterns in Soil-Vegetation-Atmosphere Systems: Monitoring, Modeling, and Data Assimilation I</b>	
12:05-12:20 PM (Conflict)	<b>H32E-08. Improving wind energy forecasts using an Ensemble Kalman Filter data assimilation technique in a fully coupled hydrologic and atmospheric model</b> <u>J.L. Williams</u> ; R.M. Maxwell; L. Delle Monache
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>C33C. Quantifying Spatial Variability of Snow and Snow Processes II Posters</b>	
1:40-1:40 PM	<b>C33C-0677. A regression-based approach for blending remotely sensed and in-situ snow water equivalent estimates in the Colorado River Basin.</b> <u>D. Schneider</u> ; N.P. Molotch
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>EP33B. Coastal Geomorphology and Morphodynamics I Posters</b>	

1:40-1:40 PM	<b>EP33B-0850. Relationship between environmental conditions and rates of coastal erosion in Arctic Alaska</b> <u>K.R. Barnhart</u> ; R.S. Anderson; I. Overeem; C.W. Wobus; G.D. Clow; F.E. Urban; A.L. LeWinter; T.P. Stanton
1:40-1:40 PM	<b>EP33B-0854. Quantifying the transition from fluvial- to wave-dominance for river deltas with multiple active channels</b> <u>J. Nienhuis</u> ; A.D. Ashton; L. Giosan
1:40-1:40 PM	<b>EP33B-0855. On a Neck, On a Spit</b> <u>A.D. Ashton</u> ; J. Nienhuis
1:40-1:40 PM	<b>EP33B-0863. Influence of Climate Change on Wave Dissipation over Coral Reefs: Effects on Beach Morphology</b> <u>A.E. Grady</u> ; L.J. Moore; C.D. Storlazzi; E. Elias; M.A. Reidenbach
1:40-1:40 PM	<b>EP33B-0865. The Role of Ecomorphodynamics in Barrier Island Response to Climate Change</b> <u>L.J. Moore</u> ; O. Duran Vincent; D. Young
1:40-1:40 PM	<b>EP33B-0886. Salt marsh equilibrium states and transient dynamics in response to changing rates of sea level rise and sediment supply.</b> <u>A. D'Alpaos</u> ; S.M. Mudd; L. Carniello
1:40-1:40 PM	<b>EP33B-0888. Modeling rates of bank erosion in sinuous tidal channel derived from event-based terrestrial lidar surveys in the Mont Saint Michel Bay</b> <u>J. Leroux</u> ; D. Lague
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>H33A. A Vision for the Future: Exploring the Value of Geophysics in Hydrology I Posters</b>	
1:40-1:40 PM	<b>H33A-1287. Tree-like Representation of Hydrologic Time Series</b> <u>S. Zanardo</u> ; I. Zaliapin; E. Foufoula
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>H33B. Advances in the Theory, Modeling, Measurement, and Remote Sensing of Evapotranspiration From Terrestrial Surfaces III Posters</b>	
1:40-1:40 PM	<b>H33B-1295. Comparing and Contrasting Water Use Pattern in the Colorado River Basin Using Landsat and MODIS-based Analyses</b> <u>R.K. Singh</u> ; G.B. Senay; S. Bohms; M. Friedrichs; J.P. Verdin
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>H33H. Recent Advances in Modeling Water in the Coupled Earth System II Posters</b>	
1:40-1:40 PM	<b>H33H-1431. Estimation of regional hydrogeological properties for use in a hydrologic model of the Chesapeake Bay watershed</b> <u>A. Seck</u> ; C. Welty
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>OS33B. Interpretation of Tsunami and Storm Deposits II Posters</b>	

1:40-1:40 PM	<b>OS33B-1820. Sedimentary Record and Morphological Effects of a Landslide-Generated Tsunami in a Polar Region: The 2000 AD Tsunami in Vaigat Strait, West Greenland</b> <u>W. Szczucinski</u> ; N.J. Rosser; M.C. Strzelecki; A.J. Long; T. Lawrence; A. Buchwal; C. Chague-Goff; S. Woodroffe
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>T33C. Links Between Tectonics, Climate, Erosion, and Sedimentation in Orogenic Plateaus and Marginal Basins IV Posters</b>	
1:40-1:40 PM	<b>T33C-2673. Denudation Gradient Across the Eastern Margin of the Tibetan Plateau</b> C. Ansberque; <u>V. Godard</u> ; O. Bellier; Z. Ren; J. Liu; Y. Li; J. de Sigoyer; D.L. Bourles
1:40-1:40 PM	<b>T33C-2679. Decadal deformation rates from SAR interferometry in the eastern Pamir-Tian Shan collision zone and implication for the growth and erosion of detachment folds.</b> <u>A. Bufe</u> ; D.W. Burbank; B. Bookhagen
1:40 PM-3:40 PM, 2007 (Moscone West), <b>EP33C. Ecogeomorphology: Footprints on a Landscape II</b>	
1:55-2:10 PM (Conflict)	<b>EP33C-03. The role of vegetation in shaping dune morphology</b> <i>(Invited)</i> <u>O. Duran Vincent</u> ; L.J. Moore; D. Young
1:40 PM-3:40 PM, 3020 (Moscone West), <b>H33P. Using Remote Sensing and Global Weather Data Sets for Hydrologic Modeling in Data-Scarce Regions: Opportunities and Challenges II</b>	
1:55-2:10 PM (Conflict)	<b>H33P-02. DFL-MaP: A Global Real-time Hydrological Modeling System for Drought-Flood-Landslide Monitoring and Prediction</b> <i>(Invited)</i> <u>Y. Hong</u> ; X. Xue; J.J. Gourley; R.F. Adler
1:40 PM-3:40 PM, 2003 (Moscone West), <b>EP33E. Tracers, Transport, and Topography: Theory and Technology for Tractive Tracking II</b>	
2:40-2:55 PM	<b>EP33E-05. The Statistical Mechanics of the Bed Load Sediment Velocity Distribution</b> <i>(Invited)</i> <u>D.J. Furbish</u> ; M.W. Schmeeckle
2:40 PM-3:40 PM, 2009 (Moscone West), <b>SH33E. Using Multispacecraft Observations for Simulating CME Propagation and Initiation I</b>	
2:55-3:10 PM	<b>SH33E-02. Numerical modeling of the initiation of coronal mass ejections in active region NOAA 9415</b> <i>(Invited)</i> <u>F.P. Zuccarello</u> ; Z. Meliani; S. Poedts
1:40 PM-3:40 PM, 2007 (Moscone West), <b>EP33C. Ecogeomorphology: Footprints on a Landscape II</b>	
3:10-3:25 PM (Conflict)	<b>EP33C-08. Ecogeomorphology: Impressions of organisms in critical zone evolution</b> <i>(Invited)</i> <u>S.P. Anderson</u> ; N. Fierer; R.S. Gabor; H.R. Barnard; R.S. Anderson; B. Hoffman; D.M. McKnight

1:40 PM-3:40 PM, 2005 (Moscone West), <b>EP33D. Quantifying Hillslope and Fluvial Processes Through Change Detection Using High-Resolution, Multitemporal Topographic Data II</b>	
3:10-3:25 PM (Conflict)	<b>EP33D-07. Using TLS to measure braided river bar movement in the Pasig-Potrero River on Mt. Pinatubo</b> <u>S.S. Day</u> ; K.B. Gran
1:40 PM-3:40 PM, 2018 (Moscone West), <b>NS33A. Near-Surface Geophysics General Contributions III</b>	
3:10-3:25 PM (Conflict)	<b>NS33A-07. Free online seismic data from a sand tank experiment</b> <u>J.M. Lorenzo</u> ; D. Smolkin; C. White; S. Chollett; T. Sun
1:40 PM-3:40 PM, 2006 (Moscone West), <b>B33H.* Improving Terrestrial Biogeochemical Models Through Integrating Models With Data I</b>	
3:25-3:40 PM	<b>B33H-08. Multi-Scale Synthesis and Terrestrial Model Intercomparison Project – A Systematic Approach for Evaluating Land -Atmosphere Flux Estimates</b> <u>D.N. Huntzinger</u> ; C. Schwalm; A.M. Michalak; W. Post; K.M. Schaefer; A.R. Jacobson; Y. Wei; R.B. Cook
4:00 PM-6:00 PM, 2003 (Moscone West), <b>EP34A. Advances in Numerical Modeling of River Fluxes Under Changing Environmental Conditions II</b>	
4:00-4:15 PM (Conflict)	<b>EP34A-01. Modeling Floodplain Depositional Patterns under Variable Flood Regimes (Invited)</b> <u>I. Overeem</u> ; R.L. Boyd; A. Kettner; J.P. Syvitski
4:00 PM-6:00 PM, 3018 (Moscone West), <b>H34A. Anomalous Transport, Mixing, and Reaction in Hydrological Systems III</b>	
4:00-4:15 PM (Conflict)	<b>H34A-01. The intricate relationship between sediment dispersion and channel dynamics in straight and braider rivers: insights from numerical simulations (Invited)</b> <u>P. Davy</u> ; D. Lague
4:00 PM-6:00 PM, 309 (Moscone South), <b>T34D. Theory and Practice in Studies of the Earthquake Cycle: Observations From the Deep Fault Drilling Project, Alpine Fault, and Coseismic Rupture Models IV</b>	
4:30-4:45 PM	<b>T34D-03. Topographic controls on stress state, thermal structure and fluid flow adjacent to the central Alpine Fault near DFDP-1 boreholes, New Zealand (Invited)</b> <u>P. Upton</u> ; R. Sutherland; S. Cox; J. Townend
4:00 PM-6:00 PM, 2008 (Moscone West), <b>PP34B. Tropical Hydrology and the Hadley Circulation in Past Climates III</b>	
4:45-5:00 PM	<b>PP34B-04. Quantitative estimates of past changes in ITCZ position and cross-equatorial atmospheric heat transport (Invited)</b> <u>D. McGee</u> ; A. Donohoe; J. Marshall; D. Ferreira
4:00 PM-6:00 PM, 2003 (Moscone West), <b>EP34A. Advances in Numerical Modeling of River Fluxes Under Changing Environmental Conditions II</b>	

5:30-5:45 PM	<b>EP34A-07. Numerical model of the lowermost Mississippi River as an alluvial-bedrock reach: preliminary results</b> <u>E. Viparelli</u> ; J.A. Nittrouer; D.C. Mohrig; G. Parker
5:45-6:00 PM	<b>EP34A-08. Modeling the Effect of Changing Sediment Load on the Flow Regime of the Lower Mississippi River (<i>Invited</i>)</b> <u>G. Parker</u> ; T. Yeh

Thursday, December 06, 2012

Time	Session Info
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>B41C.* Improving Terrestrial Biogeochemical Models Through Integrating Models With Data III Posters</b>	
8:00-8:00 AM	<b>B41C-0311. Modeling net ecosystem exchange of carbon dioxide in a beetle-attacked subalpine forest using a data-constrained ecosystem model</b> <u>S.D. Peckham</u> ; B.E. Ewers; D.S. Mackay; J.M. Frank; W.J. Massman; M.G. Ryan; H. Scott; E. Pendall
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>B41E. Remote Characterization of Vegetation Structure, Function, and Condition IV Posters</b>	
8:00-8:00 AM	<b>B41E-0359. Study the Linkage of Allometric Scaling and Resource Limitation Model of Vegetation Structure with Stochastic Radiative Transfer Theory</b> <u>L. Xu</u> ; R. Myneni; Y. Knyazikhin
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>C41B. Observational Needs for Polar Climate Modeling I Posters</b>	
8:00-8:00 AM	<b>C41B-0561. Arctic radiative processes and the influences of clouds and aerosol using CAM5</b> <u>J.M. English</u> ; J.E. Kay; A. Gettelman
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>EP41A. Interactions of Vegetation, Water, and Sediment in Rivers and Wetlands I Posters</b>	
8:00-8:00 AM	<b>EP41A-0759. Predicting friction factor in herbaceous emergent wetlands</b> <u>T. Wynn-Thompson</u> ; K. Hall
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>EP41B. Linking Geomorphology and Morphodynamics to Sediment Budgets, Sediment Caliber, and the Stratigraphic Record I Posters</b>	
8:00-8:00 AM	<b>EP41B-0777. Definition of mass-balance frameworks for interacting fluvial systems with application to Bangladesh</b> <u>A.L. Petter</u> ; C. Paola; S.L. Goodbred; J. Pickering; L. Williams

8:00-8:00 AM	<b>EP41B-0787. Antecedent morphology and active tectonics in the upper Bengal Delta: Multi-temporal controls on river mobility and sediment preservation</b> <u>J. Pickering</u> ; S.L. Goodbred; T. Hartzog; V. Spiess; T. Schwenk; L. Palamenghi; M.S. Steckler; L. Seeber; S.H. Akhter; D. Mondal; S. Hossain; A.L. Petter; C. Paola
8:00-8:00 AM	<b>EP41B-0789. Kinematic Controls On The Geometrical Structure Of The Preserved Cross-Sets</b> <u>V. Ganti</u> ; C. Paola; E. Foufoula
8:00-8:00 AM	<b>EP41B-0798. Modes of Late Pleistocene Fine-Grain Sediment Dispersal in Canterbury Basin, South Island New Zealand</b> <u>J.M. Jaeger</u> ; T.G. Villasenor Jorquera
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>EP41C. Natural and Controlled Experiments in Landscape Evolution I Posters</b>	
8:00-8:00 AM	<b>EP41C-0805. Tracing the Geomorphic Signature of Lateral Faulting</b> <u>A.R. Duvall</u> ; G.E. Tucker
8:00-8:00 AM	<b>EP41C-0806. The influence of tectonic strain on geomorphic metrics</b> <u>S.G. Roy</u> ; P.O. Koons; G.E. Tucker; P. Upton
8:00-8:00 AM	<b>EP41C-0810. Granular Mechanics of Debris-Flow Incision: Measuring and Modeling Grain-Scale Impact Forces</b> <u>S.W. McCoy</u> ; G.E. Tucker; J.W. Kean; J.A. Coe
8:00-8:00 AM	<b>EP41C-0811. The emergence of topographic steady-state in perpetually dynamic topography.</b> L. Reinhardt; <u>M.A. Ellis</u>
8:00-8:00 AM	<b>EP41C-0814. Does rift lateral propagation depend on climate and surface processes?</b> <u>P. Steer</u> ; R.S. Huisman; P.A. Cowie; V. ALLKEN; C. Thieulot
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>EP41D. Rock to Sediment: Biotic, Lithologic, and Climatic Controls on Regolith Production, Mixing, and Transport I Posters</b>	
8:00-8:00 AM	<b>EP41D-0824. Basin Wide Erosion and Soil Production Rates of a High Altitude Plateau in the Korean Peninsula Considered as an Uplifted Paleo Erosional Surface: Implications for Its Development Process and the Tectonics</b> <u>J. Byun</u> ; Y. Seong
8:00-8:00 AM	<b>EP41D-0832. Weathering the deep Critical Zone, understanding the controls on carbon-mineral association in a first-order watershed</b> <u>B. Wenell</u> ; K. Yoo; A.K. Aufdenkampe; E.A. Nater
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>EP41E. Roughness Controls on Landscape Process and Form I Posters</b>	
8:00-8:00 AM	<b>EP41E-0843. WHY ARE CHANNELS SINUOUS?</b> J.A. Constantine; <u>E. Lazarus</u>
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>H41G. Threshold Hydrology: Hydrotopographic Analysis and Modeling Posters</b>	

8:00-8:00 AM	<b>H41G-1256. Sharp landscape features and their role in predictive hydrology and geomorphology</b> <u>P. Belmont</u> ; E. Foufoula; P. Passalacqua
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>H41I. Utilizing Precipitation Datasets in Hydrometeorological Applications I Posters</b>	
8:00-8:00 AM	<b>H41I-1290. US-Pakistan Cooperation on End-to-End Hydrometeorological Disaster Risk Assessment: Satellite Sensors, Super Computing and Sustainable communities (S3)</b> <u>S.I. Khan</u> ; Y. Hong; J.J. Gourley; U.K. Khattak
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>IN41A. Data Discovery and Access Services I Posters</b>	
8:00-8:00 AM	<b>IN41A-1474. Arctic Research Mapping Application (ARMAP): 2D Maps and 3D Globes Support Arctic Science</b> <u>C.E. Tweedie</u> ; R.P. Cody; A. Kassin; A. Gaylord; W.F. Manley; M. Dover; R. Score
8:00 AM-10:00 AM, 304 (Moscone South), <b>NH41C. The March 2011 Tohoku-oki Tsunami, Japan I</b>	
8:00-8:15 AM	<b>NH41C-01. Sediment Sources, Sedimentation Processes and Post-Depositional Changes of the 2011 Tohoku-Oki Tsunami Deposits on the Sendai Plain, Japan (<i>Invited</i>)</b> <u>W. Szczucinski</u> ; C. Chague-Goff; K. Goto; D. Sugawara; R. Jagodzinski; M. Kokocinski; M. Cachao; B. Sternal; M. Rzeszewski; J.R. Goff; B.E. Jaffe
8:00 AM-10:00 AM, 3001 (Moscone West), <b>GC41E. The North American Monsoon: Past, Present, and Future II</b>	
8:45-9:00 AM	<b>GC41E-04. Current status of North American Monsoon Research (<i>Invited</i>)</b> <u>D.J. Gochis</u>
8:00 AM-10:00 AM, 2005 (Moscone West), <b>EP41G. Beyond Grain Size: Controls on Particle Transport II</b>	
9:00-9:15 AM (Conflict)	<b>EP41G-05. Intermittency in bedload transport: the importance of coherent flow structures and grain to grain interactions</b> <u>E.M. Yager</u> ; J.S. Boyd; M.W. Schmeeckle; J.A. McKean
8:00 AM-10:00 AM, 2003 (Moscone West), <b>EP41H. Biophysical Interactions in Riverine Landscapes II</b>	
9:00-9:15 AM (Conflict)	<b>EP41H-05. Effects of Riparian Vegetation on Topographic Change During a Large Flood Event, Rio Puerco, New Mexico</b> <u>M.C. Perignon</u> ; G.E. Tucker; E.R. Griffin; J.M. Friedman
8:00 AM-10:00 AM, 2005 (Moscone West), <b>EP41G. Beyond Grain Size: Controls on Particle Transport II</b>	

9:45-10:00 AM (Conflict)	EP41G-08. Size matters. History too. The rest is detail. <u>P. Wilcock</u>
8:00 AM-10:00 AM, 2008 (Moscone West), EP41I. The Deep Critical Zone and the Inception of Surface Processes I	
9:45-10:00 AM (Conflict)	EP41I-08. The Influence of the Deep Critical Zone under Hillslopes on Hydrologic, Geomorphic, and Ecological Processes (Invited) <u>W. Dietrich</u> ; D.M. Rempe; J. Oshun
10:20 AM-12:20 PM, 2008 (Moscone West), EP42D. Soil: The Terrestrial Critical Zone Biogeoreactor	
10:20-10:35 AM	EP42D-01. The co-evolution and spatial organisation of soils, landforms, vegetation, and hydrology <u>G.R. Willgoose</u> ; S. Cohen; G.R. Hancock; E.U. Hobley; P.M. Saco
10:20 AM-12:20 PM, 309 (Moscone South), T42A. Evolution, Structure, and Sedimentary Record of the South China Sea I	
10:35-10:50 AM	T42A-02. Structure and Evolution of Northwest Corner of South China Sea: implications for Cenozoic tectonics in Southeast Asia <u>C. Lei</u> ; J. Ren; S. Willett; P.D. Clift
10:20 AM-11:20 AM, 2003 (Moscone West), EP42A. Biophysical Interactions in Riverine Landscapes: Restoration	
10:50-11:05 AM (Conflict)	EP42A-03. Cheap and Cheerful Stream Restoration – An Example of System Wide Woody Addition Treatment <u>J.M. Wheaton</u> ; S.N. Bennett; N. Bouwes; R. Camp
10:20 AM-12:20 PM, 2018 (Moscone West), H42D. Ecohydrology of Terrestrial and Aquatic Ecosystems in an Era of Rapid Change I	
10:50-11:05 AM (Conflict)	H42D-03. Novel or natural variation in ecohydrology-an example of smoldering combustion in the boreal forest. <u>E.A. Johnson</u> ; Y.E. Martin
10:20 AM-12:20 PM, 3003 (Moscone West), GC42A. Climate Change Science for Sustainability Planning II	
11:00-11:20 AM (Conflict)	GC42A-03. Potential Climate Change Impacts on the Built Environment in the United States and Implications for Sustainability (Invited) <u>D. Quattrochi</u>
10:20 AM-12:20 PM, 2018 (Moscone West), H42D. Ecohydrology of Terrestrial and Aquatic Ecosystems in an Era of Rapid Change I	
11:35-11:50 AM (Conflict)	H42D-06. Water Presence in an Arid and Semi-arid River: Pattern, causes, mechanisms and change (Invited) <u>T. Meixner</u> ; C.D. Soto; H. Ajami; D. Turner; H. Richter; F. Dominguez
11:20 AM-12:20 PM, 2003 (Moscone West), EP42C. Linking Geomorphology and Morphodynamics to Sediment Budgets, Sediment Caliber, and the Stratigraphic Record II	

11:35-11:50 AM (Conflict)	<b>EP42C-02. Dynamic Flocculation of Muds in Fluvial to Marine Transitions</b> <u>A. Keyvani</u> ; K.B. Strom
10:20 AM-12:20 PM, 2005 (Moscone West), <b>EP42B. Channel Processes and Forms at the Fluvial-Tidal Transition II</b>	
12:05-12:20 PM	<b>EP42B-08. Numerical modeling of the morphodynamic evolution of long tidally-dominated river estuaries.</b>  <u>A. Canestrelli</u> ; S. Fagherazzi; S. Lanzoni
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>B43F. The Bioatmospheric N Cycle: N Emissions, Transformations, Deposition, and Terrestrial and Aquatic Ecosystem Impacts III Posters</b>	
1:40-1:40 PM	<b>B43F-0477. Influence of aerosol chemical composition on N<sub>2</sub>O<sub>5</sub> uptake: Airborne regional measurements in North-Western Europe</b> <u>W. Morgan</u> ; J.D. Allan; E. Aruffo; M. Le Breton; P. Di Carlo; O. Kennedy; D. Lowe; J.B. Muller; B. Ouyang; R. Jones; G. McFiggans; C.J. Percival; H. Coe
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>C43C. Glacier, Ice Cap, and Ice Sheet Hydrology: Storage, Transport, and Impacts II Posters</b>	
1:40-1:40 PM	<b>C43C-0613. The role of melt, storage and tapping of supra glacial lakes in runoff from the Greenland Ice Sheet</b> <u>A.B. Mikkelsen</u> ; A. Fitzpatrick; D. Van As; B. Hasholt; A. Hubbard; M.R. van den Broeke
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>ED43C. Undergraduate Research Program Design and Effectiveness in the Earth and Environmental Sciences II Posters</b>	
1:40-1:40 PM	<b>ED43C-0742. PROVIDING INTERNATIONAL RESEARCH EXPERIENCES IN WATER RESOURCES THROUGH A DISTRIBUTED REU PROGRAM</b> <u>J. Judge</u> ; K. Sahrawat; R. Mylavarapu
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>EP43A. Soil: The Terrestrial Critical Zone Biogeoreactor Posters</b>	
1:40-1:40 PM	<b>EP43A-0865. Sensitivity Analysis for Assessing Effects of Tree Population Dynamics on Soil Bioturbation</b> <u>Y.E. Martin</u> ; E.A. Johnson
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>EP43B. The Deep Critical Zone and the Inception of Surface Processes II Posters</b>	
1:40-1:40 PM	<b>EP43B-0868. Rock strength reductions during incipient weathering</b> P.J. Kelly; <u>S.P. Anderson</u> ; A. Blum
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>GP43B. Potential-Field and EM Methods for Geologic Problems of the Mid and Upper Crust II Posters</b>	
1:40-1:40 PM	<b>GP43B-1142. Developments for 3D gravity and magnetic modeling in spherical coordinates</b> <u>R.J. Lane</u> ; Q. Liang; C. Chen; Y. Li

1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>H43B. Complexity, Falsifiability, Transparency, and Uncertainty in Environmental Modeling II Posters</b>	
1:40-1:40 PM	<b>H43B-1321. Transparency and Refutability: Why and How Demonstrated using a Synthetic, Highly Nonlinear Groundwater Transport Problem</b> <u>M.C. Hill</u> ; R.T. Hanson; L.J. Kauffman
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>H43F. Surface Hydrology Posters</b>	
1:40-1:40 PM	<b>H43F-1429. Improving flash flood forecasting through coupling of a distributed hydrologic rainfall-runoff model (HL-RDHM) with a hydraulic model (BreZo)</b> <u>P. Nguyen</u> ; S. Sorooshian; K. Hsu; A. AghaKouchak; B.F. Sanders; M.B. Smith; V. Koren
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>NG43B. Stochasticity, Multiplicity of Scales, Memory, and Statistical Mechanics in Geophysics II Posters</b>	
1:40-1:40 PM	<b>NG43B-1578. Diffusive evolution of experimental braided rivers</b> <u>M.D. Reitz</u> ; E. Lajeunesse; D.J. Jerolmack; A. Limare; F. Metivier; O. Devauchelle
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>T43A. Connections Between Long-Term and Short-Term Tectonics and Geodynamics II Posters</b>	
1:40-1:40 PM	<b>T43A-2638. Investigating the strain accumulation of upper plate faults at the N-Chilean convergent plate boundary at different spatial and temporal scales</b> <u>O. Ewiak</u> ; P. Victor; T. Ziegenhagen; O. Oncken
1:40 PM-3:40 PM, 2018 (Moscone West), <b>NS43A. Geophysical Imaging of Fractures and Fluid Flow: Advancing From Detection to Measurement I</b>	
1:45-2:05 PM	<b>NS43A-02. Coupled chemical alteration and mechanical deformation in fractures: Insights from laboratory-scale imaging (<i>Invited</i>)</b> <u>R.L. Detwiler</u> ; J.E. Elkhoury; P. Ameli
1:40 PM-3:40 PM, 2003 (Moscone West), <b>EP43D. Linking Geomorphology and Morphodynamics to Sediment Budgets, Sediment Caliber, and the Stratigraphic Record III</b>	
2:25-2:40 PM	<b>EP43D-04. Topographic Surface-Based Modeling: Building Complex Stratigraphy with Geomorphic Surfaces</b> <u>Z. Sylvester</u> ; A. Cantelli; N.C. Howes; Z.R. Jobe; M.A. Wolinsky; C. Pirmez; R. Smith
2:40-2:55 PM	<b>EP43D-05. Computer simulations of channel meandering and the formation of point bars: Linking channel dynamics to the preserved stratigraphy</b> <u>T. Sun</u> ; J.A. Covault; M. Pyrcz; M. Sullivan
2:55-3:10 PM <u>(Conflict)</u>	<b>EP43D-06. Significance of Quaternary and Experimental Fluvial Systems to Interpretation of the Stratigraphic Record (<i>Invited</i>)</b> <u>M.D. Blum</u> ; J.M. Martin
1:40 PM-3:40 PM, 2008 (Moscone West), <b>EP43E. Rock to Sediment: Biotic, Lithologic, and Climatic Controls on Regolith Production, Mixing, and Transport II</b>	

2:55-3:10 PM (Conflict)	EP43E-06. Climate-dependent sediment production: numerical modeling and field observations of variable grain size distributions from heterogeneous hillslope weathering of fractured basalt flows, Kohala Peninsula, Hawaii <u>B.P. Murphy</u> ; J.P. Johnson
1:40 PM-3:40 PM, 2005 (Moscone West), EP43C. Interactions of Vegetation, Water, and Sediment in Rivers and Wetlands II	
3:10-3:25 PM (Conflict)	EP43C-07. Experimental investigation of sediment transport through vegetated flow <u>C. Le Bouteiller</u> ; J.G. Venditti
1:40 PM-3:40 PM, 2003 (Moscone West), EP43D. Linking Geomorphology and Morphodynamics to Sediment Budgets, Sediment Caliber, and the Stratigraphic Record III	
3:10-3:25 PM (Conflict)	EP43D-07. Building the coastline: Linking study of the modern and ancient depositional environments to predict the response of Mississippi River delta to environmental change <u>D.C. Mohrig</u> ; C. Armstrong
1:40 PM-3:40 PM, 2005 (Moscone West), EP43C. Interactions of Vegetation, Water, and Sediment in Rivers and Wetlands II	
3:25-3:40 PM	EP43C-08. Turbulent and Mean Velocity Near Rigid and Flexible Plants, and Implications for Deposition <u>A.C. Ortiz</u> ; H.M. Nepf; A.D. Ashton
4:00 PM-6:00 PM, 2005 (Moscone West), EP44B. Roughness Controls on Landscape Process and Form II	
4:00-4:15 PM	EP44B-01. First-order control of surface roughness at three scales: boundary layer dynamics, tracer dispersion and pebble abrasion ( <i>Invited</i> ) <u>D.J. Jerolmack</u> ; K.L. Litwin; C.B. Phillips; R.L. Martin
4:00 PM-6:00 PM, 3018 (Moscone West), H44E. Uncertainties in Precipitation Measurements and Their Hydrological Impact II	
4:30-4:45 PM	H44E-03. A Global Hydrological Ensemble Forecasting System: Uncertainty Quantification and Data Assimilation ( <i>Invited</i> ) <u>Y. Hong</u> ; Y. Zhang; X. Xue; X. Wang; J.J. Gourley; P. Kirstetter
4:00 PM-6:00 PM, 2005 (Moscone West), EP44B. Roughness Controls on Landscape Process and Form II	
4:45-5:00 PM	EP44B-04. Density Current over Rough and Uneven Bottoms <u>X. Liu</u> ; Y. Jiang
4:00 PM-6:00 PM, 2003 (Moscone West), EP44A. Natural and Controlled Experiments in Landscape Evolution II	
5:00-5:15 PM (Conflict)	EP44A-05. Influence of variable lithology on landscape evolution <u>B.J. Yanites</u> ; T.A. Ehlers

4:00 PM-6:00 PM, 2005 (Moscone West), <b>EP44B. Roughness Controls on Landscape Process and Form II</b>	
5:00-5:15 PM (Conflict)	<b>EP44B-05. Effects of Small-scale Vegetation-related Roughness on Overland Flow and Infiltration in Semi-arid Grassland and Shrublands</b> <u>D. Bedford</u>

Friday, December 07, 2012

Time	Session Info
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>A51A.* Aerosol Observations at High Elevation II Posters</b>	
8:00-8:00 AM	<b>A51A-0010. Aerosol Optical Properties Over the High Altitude Station Hanle in the Western Himalayas</b> <u>E.J. Larson</u> ; S.P. Bagare; S.S. Ningombam; R.B. Singh; N. Sinha
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>EP51A. Do Characteristic Landscape Features Correspond to a Unique Process? I Posters</b>	
8:00-8:00 AM	<b>EP51A-0974. Topography along the Smith River, OR provides insight into the process of bedrock river meandering and it's influence on adjacent hillslope lowering rates.</b> <u>K.N. Johnson</u> ; N.J. Finnegan
8:00 AM-10:00 AM, 2003 (Moscone West), <b>EP51E. Climate Change and Landscape Response I</b>	
8:00-8:15 AM	<b>EP51E-01. Ice Age Geomorphology of North America</b> <u>A.D. Wickert</u> ; R.S. Anderson; J.X. Mitrovica; K. Picard
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>H51E. Landscape System Response Under Change I Posters</b>	
8:00-8:00 AM	<b>H51E-1405. Comparing Hydrologic Response Times Between a Forested and Mountaintop Mined Catchment</b> <u>A.J. Miller</u> ; N. Zegre
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>H51F. Optimizing Short-Term Reservoir Operations With Multiple Sources of Uncertainty II Posters</b>	
8:00-8:00 AM	<b>H51F-1418. Operational Displays for Short Term Reservoir Operations</b> <u>E. Welles</u> ; M. Lemans; P. Gijsbers
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>H51I. Recent Advances in Understanding the Hydrology of the Great Lakes Region I Posters</b>	
8:00-8:00 AM	<b>H51I-1464. Assessment of differences in physical watershed characteristics between gaged and ungaged portions of the Great Lakes basin</b> T.S. Hunter; <u>L.M. Fry</u> ; A.D. Gronewold; J.M. Kult

8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>H51J. Water Quality and Quantity in Urban Systems Posters</b>	
8:00-8:00 AM	<b>H51J-1490. Watershed Hydrologic Response and Drainage Network Topology Across a Spectrum of Urban Development Patterns</b> <u>A.J. Miller</u> ; G.A. Lindner; S.Z. Shamer; K.M. Schmidt; M.J. Kather; D. Jones; M.E. Baker; C. Welty
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>IN51D. Semantics and Cyberinfrastructures for Next Generation Science I Posters</b>	
8:00-8:00 AM	<b>IN51D-1707. CSDMS2.0: Computational Infrastructure for Community Surface Dynamics Modeling</b> <u>J.P. Syvitski</u> ; E. Hutton; S.D. Peckham; I. Overeem; A. Kettner
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>NS51A. Exploring the High-Resolution Record of Surface Processes in Near-Shore and Inshore Water Bodies Posters</b>	
8:00-8:00 AM	<b>NS51A-1823. Developing Age Models to Utilize High Arctic Coastal Sediments for Paleoclimate Research: Results from the Colville Delta and Simpson Lagoon, Alaska</b> <u>A.J. Miller</u> ; M.A. Allison; T.S. Bianchi; F. Marcantonio
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>OS51B. Marine Geological Processes, Present and Past III Posters</b>	
8:00-8:00 AM	<b>OS51B-1870. Effect of topography on contour currents and contourite drifts off italian promontories (Mediterranean Sea)</b> E. Martorelli; <u>F. Falcini</u> ; E. Salusti; F.L. Chiocci
8:00 AM-12:20 PM, Hall A-C (Moscone South), <b>T51F. Understanding Deformation Phases of the India-Asia Continental Collision II Posters</b>	
8:00-8:00 AM	<b>T51F-2667. GPS Velocities and Structure Across the Burma Accretionary Prism and Shillong Anticline in Bangladesh</b> <u>M.S. Steckler</u> ; S.H. Akhter; L. Seeber; R.G. Bilham; M.G. Kogan; F. Masson; T. Maurin; D. Mondal; N. Piana Agostinetti; C. Rangin; P. Saha
8:00-8:00 AM	<b>T51F-2668. Weak middle crust beneath central Tibet: constraints from shoreline deformation around Siling Co</b> <u>X. Shi</u> ; E. Kirby; K.P. Furlong; E. Wang; K. Meng; S. Marrero; R.A. Robinson; F.M. Phillips
8:00 AM-10:00 AM, 3001 (Moscone West), <b>GC51F. Forest Hydrology Within the Context of Global Change and Forest Health</b>	
8:15-8:30 AM	<b>GC51F-02. The geography of forest drought vulnerability: Integrating modeling and measurements</b> ( <i>Invited</i> ) <u>C. Tague</u>
8:00 AM-10:00 AM, 2005 (Moscone West), <b>EP51F. Coevolution of Glaciation and Glaciated Mountains I</b>	

8:30-8:45 AM (Conflict)	<b>EP51F-03. Glaciation in a tectonically active environment: Preliminary observations from the Inylchek and Sary-Dzaz Valleys, Kyrgyz Tian Shan</b> <u>N.A. Lifton</u> ; C. Beel; R. Blomdin; M.W. Caffee; Y. Chen; A. Codilean; B.M. Goehring; N. Gribenski; J. Harbor; C. Hattestrand; J. Heyman; M. Ivanov; C. Kassab; Y. Li; D. Petrakov; I. Rogozhina; A.P. Stroeven; R. Usabaliev; H. Wetzel
8:00 AM-10:00 AM, 3001 (Moscone West), <b>GC51F. Forest Hydrology Within the Context of Global Change and Forest Health</b>	
8:30-8:45 AM (Conflict)	<b>GC51F-03. Opportunities and challenges to conserve water on the landscape in snow-dominated forests: The quest for the radiative minima and more... (Invited)</b> T.E. Link; M. Kumar; J.W. Pomeroy; B. Seyednasrollah; C.R. Ellis; R. Lawler; R. Essery
8:00 AM-10:00 AM, 2005 (Moscone West), <b>EP51F. Coevolution of Glaciation and Glaciated Mountains I</b>	
8:45-9:00 AM	<b>EP51F-04. Impacts of alpine glacial erosion on the shapes of glacial valleys, heights of mountains, and sediment delivery to the foreland (Invited)</b> <u>R.S. Anderson</u> ; M. Dühnforth; L.S. Anderson; W. Colgan
8:00 AM-10:00 AM, 2008 (Moscone West), <b>EP51D. Advances in Experimental Earth Surface Processes I</b>	
9:00-9:15 AM	<b>EP51D-05. Experiments Under Shallow-water Conditions in Meandering and Anabranching Channels (Invited)</b> <u>J.D. Abad</u>
8:00 AM-10:00 AM, 2002 (Moscone West), <b>B51H. Biogeodynamics and Earth System Sciences I</b>	
9:15-9:30 AM	<b>B51H-06. Biological-Physical Feedbacks Determine Coastal Environmental Response to Climate Change (Invited)</b> L.J. Moore; O. Duran Vincent; D. Walters; S. Fagherazzi; G. Mariotti; D. Young; C.V. Wolner
8:00 AM-10:00 AM, 2008 (Moscone West), <b>EP51D. Advances in Experimental Earth Surface Processes I</b>	
9:30-9:45 AM (Conflict)	<b>EP51D-07. The hills are alive: Earth surface dynamics in the University of Arizona Landscape Evolution Observatory (Invited)</b> <u>S. DeLong</u> ; P.A. Troch; G.A. Barron-Gafford; T.E. Huxman; J.D. Pelletier; K. Dontsova; G. Niu; J. Chorover; X. Zeng
8:00 AM-10:00 AM, 2005 (Moscone West), <b>EP51F. Coevolution of Glaciation and Glaciated Mountains I</b>	
9:30-9:45 AM (Conflict)	<b>EP51F-07. Examining the effects of glacial erosion on the extent of glaciation</b> <u>V.K. Pedersen</u> ; D. Egholm
10:20 AM-12:20 PM, 2008 (Moscone West), <b>EP52A. Advances in Field and Laboratory Measurement Methodologies for Quantifying Geophysical Flows I</b>	

10:40-11:00 AM	<b>EP52A-02. Coupling video and in situ observations in a field scale meandering channel (<i>Invited</i>)</b> <u>J. Calantoni</u> ; M.L. Palmsten; J.L. Kozarek; D. Dobson; K. Holland
10:20 AM-12:20 PM, 2005 (Moscone West), <b>EP52E. Process-Oriented Multiapproach Erosion Analysis in High Mountains: Decade to Millennia Timescales I</b>	
11:05-11:20 AM	<b>EP52E-04. Tracking landslides and landscape evolution using airborne lidar, InSAR, historical air photos, cosmogenic radionuclides, and numerical models (<i>Invited</i>)</b> <u>J.J. Roering</u> ; B.H. Mackey; D.A. Schmidt; A.L. Handwerger; A.M. Booth; C. Cerovski-Darriau
11:20 AM-12:20 PM, 2003 (Moscone West), <b>EP52D. Modeling Developments for Sediment Transport and Other Multiphase Flows: From Steep Upland Regions to Riverine, Estuary, and Coastal Environments II</b>	
11:20-11:35 AM	<b>EP52D-01. Gravity and Turbidity Currents Interacting with Submarine Topography (<i>Invited</i>)</b> <u>E.H. Meiburg</u> ; M. Nasr-Azadani
11:35-11:50 AM	<b>EP52D-02. Eddy-resolving simulation of lofting turbidity currents</b> <u>S. Radhakrishnan</u> ; E. Lenk; E.H. Meiburg
11:50-12:05 PM	<b>EP52D-03. THE ONSET OF CHANNELLING IN A FLUIDIZED MUD LAYER</b> <u>T. Papanicolaou</u> ; A.G. Tsakiris; B.M. Billing
12:05-12:20 PM	<b>EP52D-04. Understanding the state of the muddy seabed - a numerical study utilizing multiphase flow approach (<i>Invited</i>)</b> <u>T. Hsu</u> ; C.E. Ozdemir; X. Yu; S. Balachandar; J.R. Davis
12:30 PM-1:30 PM, 2009 (Moscone West), <b>TH52H. International Earth Science Organizations and You</b>	
12:30-1:30 PM	<b>International Earth Science Organizations and You</b> <u>M.C. Hill</u> ; J.T. Freymueller; D.G. Marks; E. Sztein
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>A53K.* Nanoparticles in the Earth's Atmosphere I Posters</b>	
1:40-1:40 PM	<b>A53K-0295. Using self-consistent Gibbs free energy surfaces to calculate size distributions of neutral and charged clusters for the sulfuric acid-water binary system</b> <u>J.A. Smith</u> ; K.D. Froyd; O.B. Toon
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>B53A. Biogeodynamics and Earth System Sciences II Posters</b>	
1:40-1:40 PM	<b>B53A-0651. On the geomorphic feedbacks between vegetation and topography in tidal marshes</b> C. Da Lio; A. D'Alpaos; <u>M. Marani</u>
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>B53E. Quantifying Heterogeneity of Landscapes and Ecosystems in Earth System Models II Posters</b>	

1:40-1:40 PM	<b>B53E-0707. Parameterization of an Active Thermal Erosion Site, Caribou Creek, Alaska</b> <u>R. Busey</u> ; W.R. Bolton; J.E. Cherry; L.D. Hinzman
1:40-1:40 PM	<b>B53E-0710. Quantifying Interdependence among Processes and Characterizing Dynamic Controls across Spatial Scales by Linking Climate, Hydrology and Ecosystem Models</b> <u>L.D. Hinzman</u> ; W.R. Bolton; J. Cable; B. Nijssen; D.D. Morton; D.P. Lettenmaier; S.D. Peckham
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>B53F. Resilience and Adaptation of Coupled Human and Natural Systems to Global Change II Posters</b>	
1:40-1:40 PM	<b>B53F-0751. Impacts of Global Change Scenarios on Ecosystem Services from the World's Rivers</b> <u>C.J. Vorosmarty</u>
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>EP53A. Advances in Experimental Earth Surface Processes II Posters</b>	
1:40-1:40 PM	<b>EP53A-1013. Sediment transport via needle ice: a new method for diffusive transport on laboratory-scale hillslopes</b> <u>K.E. Sweeney</u> ; J.J. Roering; A.W. Rempel
1:40-1:40 PM	<b>EP53A-1014. Terrestrial Laser Scanning of a Stream Bank During Naturally and Experimentally Induced Erosion by Groundwater Seepage</b> <u>N.J. Lyons</u> ; H. Mitasova; M.J. Starek; K.W. Wegmann
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>EP53C. Climate Change and Landscape Response III Posters</b>	
1:40-1:40 PM	<b>EP53C-1041. EROSION BY THE STORM HELENA ON BASSE TERRE ISLAND – GUADELOUPE: PAST CLIMATIC CONSEQUENCES</b> <u>C. Delacourt</u> ; P. Allemand; E. Lajeunesse; O. Devauchelle
1:40-1:40 PM	<b>EP53C-1047. Long-term fluvial response to Hawaiian Island subsidence through the Pacific Trade-Wind Inversion</b> <u>D. Ward</u> ; J. Galewsky
1:40-1:40 PM	<b>EP53C-1056. Interpreting climate-driven aggradation and incision along the fringes of a decaying mountain range</b> <u>A. Langston</u> ; G.E. Tucker; R.S. Anderson; M.A. Foster; S.P. Anderson
1:40-1:40 PM	<b>EP53C-1057. Frequency-dependent Response of Landscapes to Climatic Forcings</b> <u>V. Godard</u> ; G.E. Tucker; B. Fisher; D.W. Burbank; B. Bookhagen
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>EP53D. Coevolution of Glaciation and Glaciated Mountains II Posters</b>	
1:40-1:40 PM	<b>EP53D-1070. Quantification of Glacial Erosion with Shallow Ice Approximation and Thermally-Coupled, Stokes Flow Landscape Evolution Models.</b> <u>R.M. Headley</u> ; T.A. Ehlers

1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>EP53E. Process-Oriented Multiapproach Erosion Analysis in High Mountains: Decade to Millennia Timescales II Posters</b>	
1:40-1:40 PM	<b>EP53E-1080. Decadal to Millennial scale erosion rates in the Nepal Himalayas</b> <u>C. Andermann</u> ; S. Bonnet; R. Gloaguen; A. Crave; S. Merchel; R. Braucher; D.L. Bourles
1:40 PM-3:40 PM, 2010 (Moscone West), <b>EP53H. River Morphodynamics and Channel Patterns: How Do River Patterns Come to be Different? II</b>	
1:40-1:55 PM (Conflict)	<b>EP53H-01. Vegetal Encroachment on Point Bar Deposits as a Control on Width Variation in Meandering Rivers (Invited)</b> <u>G. Parker</u> ; E. Eke; K. Asahi; Y. Shimizu; J.M. Nelson
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>GC53C. The Anthropocene: Confronting the Prospects of a +4°C World II Posters</b>	
1:40-1:40 PM	<b>GC53C-1292. Possible dynamics of technological metals in the Anthropocene</b> <u>E. Goldstein</u>
1:40-1:40 PM	<b>GC53C-1295. Human induced flooding of the Indus River in 2010: How it changed the landscape</b> <u>A. Kettner</u> ; J.P. Syvitski; I. Overeem; G.R. Brakenridge
1:40-1:40 PM	<b>GC53C-1296. Early Anthropogenic Transformation of the Danube-Black Sea System</b> <u>L. Giosan</u> ; M.J. Coolen; J.O. Kaplan; S. Constantinescu; F. Filip; M. Filipova-Marinova; A. Kettner; N. Thom
1:40-1:40 PM	<b>GC53C-1301. A distributed analysis of Human impact on global sediment dynamics</b> <u>S. Cohen</u> ; A. Kettner; J.P. Syvitski
1:40 PM-6:00 PM, Hall A-C (Moscone South), <b>H53E. Stream Temperature: Understanding Drivers of Change and Improving Prediction III Posters</b>	
1:40-1:40 PM	<b>H53E-1581. Effect of catchment spatial characteristics on groundwater inflows influencing the thermal regimes of a Danish lowland stream using high resolution temperature measurements</b> <u>K. Matheswaran</u> ; P. Thorn; D. Rosbjerg; E. Boegh
1:40 PM-3:40 PM, 3020 (Moscone West), <b>H53O. Wetlandscape Dynamics and Functions II</b>	
1:40-1:55 PM (Conflict)	<b>H53O-01. Spatial organization of bio-geomorphic features in tidal marshes (Invited)</b> <u>M. Marani</u> ; C. Da Lio; A. D'Alpaos
1:40 PM-3:40 PM, 2020 (Moscone West), <b>IN53D. Semantics and Cyberinfrastructures for Next Generation Science II</b>	
1:40-1:55 PM (Conflict)	<b>IN53D-01. Providing Data Access for Interdisciplinary Research (Invited)</b> <u>R.P. Hooper</u> ; A. Couch
1:40 PM-3:40 PM, 310 (Moscone South), <b>V53F. Earth Materials at the Mesoscale: Nature and Processes II: Cosponsored by MSA</b>	

1:55-2:10 PM	<b>V53F-02. Using Neutron Scattering to Understand How Porosity opens in Weathering Rocks to Form Regolith (<i>Invited</i>)</b> <u>S.L. Brantley</u> ; E. Bazilevskaya; L. Jin; G. Rother; D.R. Cole; A. Sitchler; X. Gu
1:40 PM-3:40 PM, 2008 (Moscone West), <b>EP53F. Coastal Geomorphology and Morphodynamics II</b>	
2:25-2:40 PM ( <a href="#">Conflict</a> )	<b>EP53F-04. Variations of Morphologic Changes induced by Tropical Storm Debby along Three Barrier Island, West-Central Florida, USA</b> <u>P. Wang</u> ; T. Roberts
1:40 PM-3:40 PM, 2010 (Moscone West), <b>EP53H. River Morphodynamics and Channel Patterns: How Do River Patterns Come to be Different? II</b>	
2:25-2:40 PM ( <a href="#">Conflict</a> )	<b>EP53H-04. River bifurcation: Learning from non-bifurcating experimental channels. (<i>Invited</i>)</b> <u>W. Kim</u>
2:55-3:10 PM	<b>EP53H-06. Records of transient avulsion-related river patterns in ancient deposits: evidence for different styles of channel-floodplain coupling (<i>Invited</i>)</b> <u>E.A. Hajek</u> ; D. Edmonds; C. Millard; L. Toms; C. Fogaren
1:40 PM-3:40 PM, 2008 (Moscone West), <b>EP53F. Coastal Geomorphology and Morphodynamics II</b>	
3:10-3:25 PM	<b>EP53F-07. Morphodynamics and Sedimentology of a Falling Stage Sandy Fjord Delta, Goose River, Labrador</b> <u>R. Slingerland</u> ; D.A. Edmonds; D.R. Parsons; J.L. Best; J. Royce; A. Burpee; J. Cederberg; R. Caldwell; A. Nijhuis; A. McGuffin
4:00 PM-6:00 PM, 2008 (Moscone West), <b>EP54A. Coastal Geomorphology and Morphodynamics III</b>	
4:00-4:15 PM	<b>EP54A-01. Morphodynamics of tidal networks: advances and challenges (<i>Invited</i>)</b> <u>G. Coco</u> ; M. Olabarrieta; B. van Maanen; Z. Zhou; R. Tinoco
4:00 PM-6:00 PM, 3022 (Moscone West), <b>H54F. Water Quality and Quantity in Urban Systems: Arid Systems, Coupled Systems, and Climate Change</b>	
4:30-4:45 PM ( <a href="#">Conflict</a> )	<b>H54F-03. Integration of Urban Features into a Coupled Groundwater-Surface Water Model</b> <u>A.S. Bhaskar</u> ; C. Welty; R.M. Maxwell
4:00 PM-6:00 PM, 103 (Moscone South), <b>S54D. Understanding Recent and Historical Seismicity in the Central and Eastern U.S. III (Video On-Demand)</b>	
4:30-4:45 PM ( <a href="#">Conflict</a> )	<b>S54D-03. Understanding Earthquake Processes in the Central and Eastern US and Implications for Nuclear Reactor Safety</b> <u>D. Seber</u> ; S. Tabatabai
4:00 PM-6:00 PM, 104 (Moscone South), <b>IN54B. Designing a Road Map for Workflow Cyberinfrastructure in the Geosciences: From Big Data to the Long Tail (Video On-Demand)</b>	

5:00-5:15 PM	<b>IN54B-05. Modeling Frameworks, Workflows and Community Modeling: Where are we now and where do we go from here?</b> <i>(Invited)</i> <u>S.D. Peckham</u>
4:00 PM-6:00 PM, 2008 (Moscone West), <b>EP54A. Coastal Geomorphology and Morphodynamics III</b>	
5:15-5:30 PM <i>(Conflict)</i>	<b>EP54A-06. Overland flow in sand dunes: feedbacks between aeolian and hydrological processes</b> <u>S. Fagherazzi</u> ; A.M. Priestas
4:00 PM-6:00 PM, 2005 (Moscone West), <b>EP54B. Do Characteristic Landscape Features Correspond to a Unique Process? II</b>	
5:15-5:30 PM <i>(Conflict)</i>	<b>EP54B-06. River channel lateral migration and strath terrace evolution: Quantitative predictions using a new bank coupling approach</b> <u>A.B. Limaye</u> ; M.P. Lamb
4:00 PM-6:00 PM, 2020 (Moscone West), <b>IN54A. Advancing Partnerships, Collaborative Platforms, and Knowledge Networks in the Earth Sciences II</b>	
5:15-5:30 PM <i>(Conflict)</i>	<b>IN54A-06. The Community Surface Dynamics Modeling System: Experiences on Building a Collaborative Modeling Platform</b> <i>(Invited)</i> <u>I. Overeem</u> ; E. Hutton; A. Kettner; S.D. Peckham; J.P. Syvitski
4:00 PM-6:00 PM, 2005 (Moscone West), <b>EP54B. Do Characteristic Landscape Features Correspond to a Unique Process? II</b>	
5:30-5:45 PM <i>(Conflict)</i>	<b>EP54B-07. Effects of Imposed Variable Rates of Lateral Subsidence on a Deltaic System</b> <i>(Invited)</i> <u>W. Kim</u> ; J. Kopp
4:00 PM-6:00 PM, 3024 (Moscone West), <b>H54E. Recent Advances in Understanding the Hydrology of the Great Lakes Region II</b>	
5:30-5:45 PM <i>(Conflict)</i>	<b>H54E-07. Assessment of the Area Ratio Method and the value of gages for predicting runoff in intermittently gaged portions of the Great Lakes basin</b> <u>L.M. Fry</u> ; T. Hunter; M.S. Phanikumar; V. Fortin; A.D. Gronewold
4:00 PM-6:00 PM, 2005 (Moscone West), <b>EP54B. Do Characteristic Landscape Features Correspond to a Unique Process? II</b>	
5:45-6:00 PM	<b>EP54B-08. Unique and Generic Signatures of Transient Wave Ripple Evolution</b> <i>(Invited)</i> <u>J. Perron</u> ; P. Myrow; J.C. Kao; K.L. Huppert; A. Koss; A.D. Wickert