

Personalized Itinerary Planner

AGU-FM13
December 07 - 13, 2013

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Saturday, December 07, 2013

You have nothing scheduled for this day

Sunday, December 08, 2013

You have nothing scheduled for this day

Monday, December 09, 2013

Time	Session Info
8:00 AM-12:20 PM, Hall A-C (Moscone South), Biological Aerosols: Characterization, Identification, Environmental Impacts Posters [SWIRL_DA]	
8:00-8:00 AM	A11B-0022. Measurements of Fluorescent Bioaerosol Particles in the Colorado Front Range <u>A.E. Perring</u> ; J.B. Emerson; N. Fierer; J.P. Schwarz; D.W. Fahey
8:00 AM-10:00 AM, 2003 (Moscone West), Thresholds in Soil Response to Global Change I [SWIRL_GS]	
9:45-10:00 AM	EP11A-08. Forest-snow interactions at Critical Zone Observatories of the Western U.S. (Invited) <u>N.P. Molotch</u> ; A.A. Harpold
1:40 PM-6:00 PM, Hall A-C (Moscone South), Thresholds in Soil Response to Global Change II Posters [SWIRL_GS]	
1:40-1:40 PM	EP13C-0881. Snowmelt and rain in a marginal snowpack watershed: Amount and duration of water input controls runoff <u>S.P. Anderson</u> ; N. Rock
4:00 PM-6:00 PM, 3005 (Moscone West), Remote Sensing of the Cryosphere III: Microwave Applications	
5:15-5:30 PM	C14B-06. Characterizing vegetation transmissivity via spatial and temporal variations in multi-resolution passive microwave measurements at Ka band (Invited) <u>B.J. Vanderjagt</u> ; M.T. Durand; N.P. Molotch; S.A. Margulis; E.J. Kim
4:00 PM-6:00 PM, 3003 (Moscone West), Creating Policy-Relevant Resource Management Science under Climate Change II	
5:45-6:00 PM <u>(Conflict)</u>	GC14A-08. Record-setting forest stress in the Rocky Mountains caused by low snowfall and high potential evapotranspiration, consistent with expected future conditions (Invited) <u>N.P. Molotch</u> ; E. Trujillo; L. Lestak
4:00 PM-6:00 PM, 3022 (Moscone West), Forests and the Hydrological Regime: After All These Years What Can We Tell Policy-Makers About How Changing Tree Cover Influences Runoff? II	

5:45-6:00 PM (Conflict)	H14C-08. Compensatory vapor loss and biogeochemical attenuation along flowpaths mute the water resources impacts of insect-induced forest mortality <u>J.A. Biederman</u> ; P.D. Brooks; A.A. Harpold; D.J. Gochis; B.E. Ewers; D.E. Reed; E.D. Gutmann
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Tuesday, December 10, 2013

Time	Session Info
8:00 AM-12:20 PM, Hall A-C (Moscone South), Climate Change and Wildfire: Drivers, Interactions and Consequences I Posters	
8:00-8:00 AM	GC21C-0847. Modeling wildfire and hydrologic response to global climate change using the Landlab modeling environment <u>J.M. Adams</u> ; N.M. Gasparini; G.E. Tucker; E. Istanbuluoglu; E. Hutton; D.E. Hobbey; S. NUDURUPATI
1:40 PM-6:00 PM, Hall A-C (Moscone South), Eco-hydrology in a Changing Environment VI Posters	
1:40-1:40 PM	H23C-1279. Coupled soil respiration and transpiration dynamics from tree-scale to catchment scale in dry Rocky Mountain pine forests and the role of snowpack <u>E. Berryman</u> ; H.R. Barnard; P.D. Brooks; H. Adams; M.A. Burns; W. Wilson; C.M. Stielstra
1:40 PM-6:00 PM, Hall A-C (Moscone South), Hydropedology: Synergistic Integration of Soil Science and Hydrology in the Critical Zone I Posters [SWIRL_GS]	
1:40-1:40 PM	H23F-1340. Transport and Transformation of Dissolved Organic Matter in Soil Interstitial Water Across Forested, Montane Hillslopes <u>M.A. Burns</u> ; D.M. McKnight; R.S. Gabor; P.D. Brooks; H.R. Barnard
1:40 PM-3:40 PM, 2010 (Moscone West), The Imprint of Past Climate Change on Landscapes I	
3:25-3:40 PM	EP23B-08. Strath terraces on the western High Plains indicate climatically-driven variations in sediment supply from source basins in the Colorado Front Range <u>M.A. Foster</u> ; M. Dühnforth; R.S. Anderson

Wednesday, December 11, 2013

Time	Session Info
8:00 AM-10:00 AM, 2010 (Moscone West), Connecting Natural Landscapes to Experimental and Numerical Models of Earth and Planetary Surface Evolution I	

8:15-8:30 AM	EP31D-02. Creative Computing with Landlab: Open-Source Python Software for Building and Exploring 2D Models of Earth-Surface Dynamics <u>G.E. Tucker</u> ; <u>D.E. Hobbey</u> ; <u>N.M. Gasparini</u> ; <u>E. Hutton</u> ; <u>E. Istanbulluoglu</u> ; <u>S. NUDURUPATI</u> ; <u>J.M. Adams</u>
10:20 AM-12:20 PM, 3020 (Moscone West), Hydropedology: Synergistic Integration of Soil Science and Hydrology in the Critical Zone III [SWIRL_GS]	
10:55-11:10 AM (Conflict)	H32D-03. Opportunities for Improved Integration of Soil Science and Catchment Hydrologic Modeling <u>B.B. Mirus</u> ; <u>B.A. Ebel</u>
10:20 AM-12:20 PM, 2010 (Moscone West), Connecting Natural Landscapes to Experimental and Numerical Models of Earth and Planetary Surface Evolution II	
11:05-11:20 AM (Conflict)	EP32B-04. Probability-Based Model of Sediment Transport During Extreme Flood Events in Mountain Catchments <u>M.C. Perignon</u> ; <u>G.E. Tucker</u>
1:40 PM-6:00 PM, Hall A-C (Moscone South), Postmortem: 2012 Drought—Terrestrial Ecosystems Posters	
1:40-1:40 PM	B33J-0597. Linking Topographic, Hydrologic, Climatic, and Ecologic Processes in Semi-arid Forests: an investigation of aboveground growth dynamics <u>H.R. Adams</u> ; <u>A.K. Loomis</u> ; <u>H.R. Barnard</u>
1:40 PM-6:00 PM, Hall A-C (Moscone South), Connecting Natural Landscapes to Experimental and Numerical Models of Earth and Planetary Surface Evolution III Posters	
1:40-1:40 PM	EP33A-0863. Modeling post-wildfire fluvial incision and terrace formation <u>F.K. Rengers</u> ; <u>G.E. Tucker</u>
1:40 PM-6:00 PM, Hall A-C (Moscone South), Advances in Ecohydraulics and Biogeomorphology: Coupling System Processes Posters [SWIRL_CU]	
1:40-1:40 PM	H33A-1329. Modeling the gopher-meadow eco-geomorphic system on montane hillslopes <u>E.W. Winchell</u> ; <u>D.F. Doak</u> ; <u>R.S. Anderson</u>
4:00 PM-6:00 PM, 2007 (Moscone West), Climatic and Glaciological Significance of Glacial Landforms and Landscape Evolution I	
4:45-5:00 PM	EP34A-04. The effect of interannual variability on the moraine record: A new perspective on paleoclimate estimation in glacial landscapes <u>L.S. Anderson</u> ; <u>G. Roe</u> ; <u>R.S. Anderson</u>

Thursday, December 12, 2013

Time	Session Info
8:00 AM-12:20 PM, Hall A-C (Moscone South),	Advances in Monitoring, Measuring, and Modeling of Snow, Snow-Vegetation and Avalanche Processes I Posters

8:00-8:00 AM	C41B-0633. Combining remotely-sensed snow water equivalent with in-situ measurements to produce a real-time SWE product <u>D. Schneider</u> ; N.P. Molotch
1:40 PM-6:00 PM, Hall A-C (Moscone South), Transformative Measurements to Understand the Geosphere: Zip-Ties, Arduinos, Novel Sensors, and Twitter Posters	
1:40-1:40 PM	H43H-1576. PARduino: A Simple Device Measuring and Logging Photosynthetically Active Radiation <u>H.R. Barnard</u> ; M.C. Findley

Friday, December 13, 2013

Time	Session Info
8:00 AM-12:20 PM, Hall A-C (Moscone South), Large-Scale Field Experimentation and Networks I Posters	
8:00-8:00 AM	H51K-1347. Investigating Snowmelt Infiltration Dynamics in the Western U.S. Using the SNOTEL Network <u>A.A. Harpold</u> ; N.P. Molotch
8:00 AM-10:00 AM, 3018 (Moscone West), Taking the Riverine Pulse: Monitoring and Research Through the Lens of Continuous Water Quality Data I	
8:00-8:15 AM	H51T-01. Exploring the forgotten hypothesis of the river continuum concept: tracking dissolved organic matter downstream in the modern era of continuous in situ measurements <u>D.M. McKnight</u>
1:40 PM-3:40 PM, 3020 (Moscone West), Large-Scale Field Experimentation and Networks II	
1:55-2:10 PM	H53L-02. The strength of strategically placed in situ networks: The Critical Zone Observatory Program (Invited) <u>R.C. Bales</u> ; P.D. Brooks; N.P. Molotch
1:40 PM-3:40 PM, 2006 (Moscone West), Linking Microbial Communities and Biogeochemistry to Ecosystem Processes and Environmental Change II	
2:25-2:40 PM	B53D-04. Characteristics of microbial volatile organic compound flux rates from soil and plant litter <u>C.M. Gray</u> ; N. Fierer