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Personalized Itinerary Planner

AGU-FM13

December 07 - 13, 2013

[To make changes to your intinerary or view the full meeting schedule, visit http://agu-fm13.abstractcentral.com/itin.jsp](http://agu-fm13.abstractcentral.com/itin.jsp)

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

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| 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 A.E. Perring; 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) N.P. Molotch; A.A. Harpold |
| 1:40 PM-6:00 PM, Hall A-C (Moscone South), Thresholds in Soil Response to GlobalChange 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 S.P. Anderson; N. Rock |
| 4:00 PM-6:00 PM, 3005 (Moscone West), Remote Sensing of the Cryosphere III: MicrowaveApplications |
| 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) B.J. Vanderjagt; 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 ManagementScience under Climate Change II |
| 5:45-6:0 (Conflict) | 0 PM | GC14A-08. Record-setting forest stress in the Rocky Mountains caused by low snowfall and high potential evapotranspiration, consistent with expected future conditions (Invited) N.P. Molotch; E. Trujillo; L. Lestak |
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| 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 |

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| 5:45-6:0 (Conflict) | 0 PM | H14C-08. Compensatory vapor loss and biogeochemical attenuation along flowpaths mute the water resources impacts of insect-induced forest mortality J.A. Biederman; 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

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| 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 J.M. Adams; N.M. Gasparini; G.E. Tucker; E. Istanbulluoglu; E. Hutton; D.E. Hobley; 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 E. Berryman; 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 SoilScience and Hydrology in the Critical Zone I Posters [SWIRL\_GS] |
| 1:40-1:40 PM | H23F-1340. Matter in Soi M.A. Burns; | Transport and Transformation of Dissolved Organicl Interstitial Water Across Forested, Montane HillslopesD.M. McKnight; R.S. Gabor; P.D. Brooks; H.R. Barnard |
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| 1:40 PM-3:40 PM, 2008 (Moscone West), The Imprint of Past Climate Change onLandscapes 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 M.A. Foster; 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 G.E. Tucker; D.E. Hobley; N.M. Gasparini; E. Hutton; E. Istanbulluoglu; S. NUDURUPATI; J.M. Adams

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 B.B. Mirus; B.A. Ebel

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 M.C. Perignon; G.E. Tucker

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 H.R. Adams; A.K. Loomis; H.R. Barnard

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 F.K. Rengers; G.E. Tucker

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 E.W. Winchell; D.F. Doak; R.S. Anderson

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

L.S. Anderson; G. Roe; R.S. Anderson

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

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Friday, December 13, 2013

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| 8:00-8:00 AM | C41B-0633 in-situ mea Schneider; | . Combining remotely-sensed snow water equivalent with urements to produce a real-time SWE product D.N.P. Molotch |
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| 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 LoggingPhotosynthetically Active Radiation H.R. Barnard; M.C. Findley |

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| Time | Session Info |
| 8:00 AM-12:20 PM, Hall A-C (Moscone South), Large-Scale Field Experimentation andNetworks I Posters |
| 8:00-8:00 AM | H51K-1347. Investigating Snowmelt Infiltration Dynamics in theWestern U.S. Using the SNOTEL Network A.A. Harpold; N.P. Molotch |
| 8:00 AM-10:00 AM, 3018 (Moscone West), Taking the Riverine Pulse: Monitoring andResearch 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 D.M. McKnight |
| 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) R.C. Bales; P.D. Brooks; N.P. Molotch |
| 1:40 PM-3:40 PM, 2006 (Moscone West), Linking Microbial Communities andBiogeochemistry 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 C.M. Gray; N. Fierer |