

## 2016 AGU Fall Meeting Scientific Program

### Hydrology

Topic	Number	Session	CoSponsors	CoOrganized	Date	StartTime	EndTime	Room	Property
Hydrology	H11A	Advances in Sensitivity and Uncertainty Analysis of Earth and Environmental Systems Models II Posters	PA		12/12/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Hydrology	H11B	Evapotranspiration: Advances in In Situ Measurements and Remote Sensing Based Modeling Approaches I Posters	GC,IN		12/12/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Hydrology	H11C	Advances in Sensitivity and Uncertainty Analysis of Earth and Environmental Systems Models I	PA		12/12/2016	8:00:00	10:00:00	3024	Moscone West
Hydrology	H11D	Blue and Green Water in the Mountains: Water Supply, Extreme Events, and Ecological Responses in Snow and Glacier-fed Catchments I	C	C,GC	12/12/2016	8:00:00	10:00:00	2020	Moscone West
Hydrology	H11E	Fluid-Rock Interactions Controlling Structure, Flow, and Transport in the Subsurface I	MR,V		12/12/2016	8:00:00	10:00:00	3018	Moscone West
Hydrology	H11F	New Frontiers in Water Resources: Achieving Water Resource Security in Times of Climate Change, Urbanization, and Agricultural Expansion I			12/12/2016	8:00:00	10:00:00	3020	Moscone West
Hydrology	H11G	Utilizing Precipitation Datasets and Quantifying Associated Uncertainties in Hydrometeorological and Climate Impact Applications I	PA		12/12/2016	8:00:00	10:00:00	3022	Moscone West
Hydrology	H11H	Water, Energy, and Society in Urban Systems I	A,B,PA		12/12/2016	8:00:00	10:00:00	3016	Moscone West
Hydrology	H12A	Characterization, Modeling, and Remediation of Fissured, Carbonate, and Karst Groundwater Systems I			12/12/2016	10:20:00	12:20:00	3020	Moscone West

Hydrology	H12B	Evapotranspiration: Advances in In Situ Measurements and Remote Sensing Based Modeling Approaches II	GC,IN		12/12/2016	10:20:00	12:20:00	3024	Moscone West
Hydrology	H12C	Fluid-Rock Interactions Controlling Structure, Flow, and Transport in the Subsurface II	MR,V		12/12/2016	10:20:00	12:20:00	3018	Moscone West
Hydrology	H12D	Utilizing Precipitation Datasets and Quantifying Associated Uncertainties in Hydrometeorological and Climate Impact Applications II	PA		12/12/2016	10:20:00	12:20:00	3022	Moscone West
Hydrology	H12E	Water, Energy, and Society in Urban Systems II	A,B,PA		12/12/2016	10:20:00	12:20:00	3016	Moscone West
Hydrology	H13A	Advances in Water Quality Posters	B		12/12/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H13B	Biofuel-Induced Land Use Change Impacts on Hydrology, Water Quality, and Carbon and Evapotranspiration Dynamics Posters	B,GC	B	12/12/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H13C	Water, Energy, and Society in Urban Systems III Posters	A,B,PA		12/12/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H13D	New Frontiers in Water Resources: Achieving Water Resource Security in Times of Climate Change, Urbanization, and Agricultural Expansion II Posters			12/12/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H13E	Saturated and Unsaturated Preferential Flow and Transport across Hydrological Scales in the Critical Zone Posters	B,EP,NG,NS	B	12/12/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H13F	Fluid-Rock Interactions Controlling Structure, Flow, and Transport in the Subsurface III Posters	MR,V		12/12/2016	13:40:00	18:00:00	Poster Hall	Moscone South

<b>Hydrology</b>	H13G	Conventional, Enhanced, and Emerging Geothermal Systems: Characterization, Integration, Stimulation, Simulation, Induced Seismicity, and Reservoir Energy Management II Posters	MR,NG,NS,S		12/12/2016	13:40:00	18:00:00	Poster Hall	Moscone South
<b>Hydrology</b>	H13H	Complexities of Flow and Transport in Porous Media across Diverse Disciplines II Posters			12/12/2016	13:40:00	18:00:00	Poster Hall	Moscone South
<b>Hydrology</b>	H13I	Characterization, Modeling, and Remediation of Fissured, Carbonate, and Karst Groundwater Systems II Posters			12/12/2016	13:40:00	18:00:00	Poster Hall	Moscone South
<b>Hydrology</b>	H13J	Utilizing Precipitation Datasets and Quantifying Associated Uncertainties in Hydrometeorological and Climate Impact Applications III Posters	PA		12/12/2016	13:40:00	18:00:00	Poster Hall	Moscone South
<b>Hydrology</b>	H13K	Advancing Ecohydrology with Geophysics Posters	NS	NS	12/12/2016	13:40:00	18:00:00	Poster Hall	Moscone South
<b>Hydrology</b>	H13L	Blue and Green Water in the Mountains: Water Supply, Extreme Events, and Ecological Responses in Snow and Glacier-fed Catchments II Posters	C	C,GC	12/12/2016	13:40:00	18:00:00	Poster Hall	Moscone South
<b>Hydrology</b>	H13M	Innovative Green, Gray, and Hybrid Infrastructure Design and Decision Support for Urban Stormwater Management Posters	SI		12/12/2016	13:40:00	18:00:00	Poster Hall	Moscone South
<b>Hydrology</b>	H13N	Complexities of Flow and Transport in Porous Media across Diverse Disciplines I			12/12/2016	13:40:00	15:40:00	3020	Moscone West

Hydrology	H13O	Conventional, Enhanced, and Emerging Geothermal Systems: Characterization, Integration, Stimulation, Simulation, Induced Seismicity, and Reservoir Energy Management I	MR,NG,NS,S		12/12/2016	13:40:00	15:40:00	3018	Moscone West
Hydrology	H13P	Drought: Monitoring, Prediction, and Links to Evapotranspiration and Evaporative Demand I	A,B,GC,NH		12/12/2016	13:40:00	15:40:00	3016	Moscone West
Hydrology	H13Q	Global Floods: Forecasting, Monitoring, Risk Assessment, and Socioeconomic Response I	NH		12/12/2016	13:40:00	15:40:00	3002	Moscone West
Hydrology	H13R	Global Precipitation Measurement, Validation, and Applications I	A,GC,IN,NH		12/12/2016	13:40:00	15:40:00	3022	Moscone West
Hydrology	H14A	Citizen Science, Low-Cost Sensors, and Remote Sensing Applications in Data-Scarce Regions I	ED,PA		12/12/2016	16:00:00	18:00:00	3020	Moscone West
Hydrology	H14B	Drought: Monitoring, Prediction, and Links to Evapotranspiration and Evaporative Demand II	A,B,GC,NH		12/12/2016	16:00:00	18:00:00	3016	Moscone West
Hydrology	H14C	Global Precipitation Measurement, Validation, and Applications II	A,GC,IN,NH		12/12/2016	16:00:00	18:00:00	3022	Moscone West
Hydrology	H14D	Hydrochronology: Advances in Tracer Methods and Modeling of Residence Times in Hydrology I			12/12/2016	16:00:00	18:00:00	3014	Moscone West
Hydrology	H14E	Hydroclimatic Extremes: Drought I	A,GC,NH	GC,NH	12/12/2016	16:00:00	18:00:00	3002	Moscone West
Hydrology	H14F	Hydrologic Processes in Soils: From Observation to Quantification I			12/12/2016	16:00:00	18:00:00	3018	Moscone West
Hydrology	H21A	Global Floods: Forecasting, Monitoring, Risk Assessment, and Socioeconomic Response II Posters	NH		12/13/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Hydrology	H21B	Hydrochronology: Advances in Tracer Methods and Modeling of Residence Times in Hydrology II Posters			12/13/2016	8:00:00	12:20:00	Poster Hall	Moscone South

Hydrology	H21C	Hydrologic Processes in Soils: From Observation to Quantification II Posters			12/13/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Hydrology	H21D	Drought: Monitoring, Prediction, and Links to Evapotranspiration and Evaporative Demand III Posters	A,B,GC,NH		12/13/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Hydrology	H21E	Citizen Science, Low-Cost Sensors, and Remote Sensing Applications in Data-Scarce Regions II Posters	ED,PA		12/13/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Hydrology	H21F	Science and Applications in Preparation for the Surface Water and Ocean Topography (SWOT) Satellite Mission II Posters	OS	OS	12/13/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Hydrology	H21G	Hydroclimatic Extremes: Drought II Posters	A,GC,NH	GC,NH	12/13/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Hydrology	H21H	Anthropogenic Impacts on Water Pollution and Water Quality in Rivers I			12/13/2016	8:00:00	10:00:00	3014	Moscone West
Hydrology	H21I	Ecosystem Services: Linking Biophysical Processes to Livelihoods and Economies at Local to Global Scales I	PA,SI	SI	12/13/2016	8:00:00	10:00:00	3016	Moscone West
Hydrology	H21J	Fluid-Rock Interactions Controlling Structure, Flow, and Transport in the Subsurface IV	MR,V		12/13/2016	8:00:00	10:00:00	3018	Moscone West
Hydrology	H21K	Global Precipitation Measurement, Validation, and Applications III	A,GC,IN,NH		12/13/2016	8:00:00	10:00:00	3022	Moscone West
Hydrology	H21L	Science and Applications in Preparation for the Surface Water and Ocean Topography (SWOT) Satellite Mission I	OS	OS	12/13/2016	8:00:00	10:00:00	3020	Moscone West
Hydrology	H22A	<b>Hydrology Awards and Walter B. Langbein Lecture</b>			12/13/2016	10:20:00	12:20:00	2022/2024	Moscone West
Hydrology	H23A	Anthropogenic Impacts on Water Pollution and Water Quality in Rivers II Posters			12/13/2016	13:40:00	18:00:00	Poster Hall	Moscone South

Hydrology	H23B	Nonstationary Suspended Sediment Dynamics: From Temporal Patterns to Processes and Controls Posters		EP	12/13/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H23C	Microorganisms, Colloids, Engineered Nanoparticles, and Emerging Contaminants in the Environment II Posters			12/13/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H23D	Environmental Vadose Zone Hydrology: Monitoring and Modeling of Physical and (Bio)geochemical Processes Posters	B,GC,NS,SI		12/13/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H23E	Threats to Coastal Aquifers: From the Shore to the Sea Posters	GC,PA		12/13/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H23F	Global Precipitation Measurement, Validation, and Applications IV Posters	A,GC,IN,NH		12/13/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H23G	Ecosystem Services: Linking Biophysical Processes to Livelihoods and Economies at Local to Global Scales II Posters	PA,SI	SI	12/13/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H23H	Investigations of Dominant Hydrologic Processes across Diverse Landscapes Posters			12/13/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H23I	The Generation and Function of Temporary streams Posters	B		12/13/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H23J	Flexibility in the Design of Water Resources Infrastructure Posters	PA		12/13/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H23K	Characterization and Sustainable Management of Groundwater Systems through the Integration of Data and Tools Across Spatial and Temporal Scales I	IN,SI		12/13/2016	13:40:00	15:40:00	3020	Moscone West
Hydrology	H23L	Hydroclimatic Extremes: Drought III	A,GC,NH	GC,NH	12/13/2016	13:40:00	15:40:00	3022	Moscone West
Hydrology	H23M	Microorganisms, Colloids, Engineered Nanoparticles, and Emerging Contaminants in the Environment I			12/13/2016	13:40:00	15:40:00	3016	Moscone West

Hydrology	H23N	Science Utilization and Results from the NASA Soil Moisture Active Passive (SMAP) Satellite Mission I	A		12/13/2016	13:40:00	15:40:00	3018	Moscone West
Hydrology	H24A	Characterization and Sustainable Management of Groundwater Systems through the Integration of Data and Tools Across Spatial and Temporal Scales II	IN,SI		12/13/2016	16:00:00	18:00:00	3020	Moscone West
Hydrology	H24B	Estimating Floodplain, Stream, and Aquatic Ecosystems Responses to Climatic Extremes I			12/13/2016	16:00:00	18:00:00	3022	Moscone West
Hydrology	H24C	Science Utilization and Results from the NASA Soil Moisture Active Passive (SMAP) Satellite Mission II	A		12/13/2016	16:00:00	18:00:00	3018	Moscone West
Hydrology	H24D	Uncertainty Quantification, Stochastic Inversion, and Machine Learning Methods in Water and Environmental Management I	PA		12/13/2016	16:00:00	18:00:00	3016	Moscone West
Hydrology	H24E	Water Issues Related to Conventional and Unconventional Produced Water Management: Water Quality, Salinity Mapping, Underground Injection Control, and Induced Seismicity I			12/13/2016	16:00:00	18:00:00	3014	Moscone West
Hydrology	H31A	Water Issues Related to Conventional and Unconventional Produced Water Management: Water Quality, Salinity Mapping, Underground Injection Control, and Induced Seismicity II Posters			12/14/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Hydrology	H31B	Estimating Floodplain, Stream, and Aquatic Ecosystems Responses to Climatic Extremes II Posters			12/14/2016	8:00:00	12:20:00	Poster Hall	Moscone South

Hydrology	H31C	Characterization and Sustainable Management of Groundwater Systems through the Integration of Data and Tools Across Spatial and Temporal Scales III Posters	IN,SI		12/14/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Hydrology	H31D	Advances in Data Integration, Inverse Methods, and Data Valuation across a Range of Scales in Hydrogeophysics I Posters	NS		12/14/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Hydrology	H31E	Methods and Process Interpretations in the Soil-Plant-Atmosphere Continuum II Posters	A,B,GC		12/14/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Hydrology	H31F	Uncertainty Quantification, Stochastic Inversion, and Machine Learning Methods in Water and Environmental Management II Posters	PA		12/14/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Hydrology	H31G	Science Utilization and Results from the NASA Soil Moisture Active Passive (SMAP) Satellite Mission III Posters	A		12/14/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Hydrology	H31H	Advances and Challenges in Unraveling the Impact of Nonpoint Source Fluxes on Groundwater, Vadose Zone, and Surface Waters I	B		12/14/2016	8:00:00	10:00:00	3014	Moscone West
Hydrology	H31I	Advances in Understanding and Remote Sensing of Land-Atmosphere Interactions: From Bedrock to Boundary Layer I	A	A	12/14/2016	8:00:00	10:00:00	3018	Moscone West
Hydrology	H31J	Food, Energy, and Water Nexus: Synergies and Tradeoffs I			12/14/2016	8:00:00	10:00:00	3016	Moscone West
Hydrology	H31K	Methods and Process Interpretations in the Soil-Plant-Atmosphere Continuum I	A,B,GC		12/14/2016	8:00:00	10:00:00	3022	Moscone West



Hydrology	H31L	Subsurface Contaminant Transport and Remediation: Advances in Process Understanding and Applications I	B		12/14/2016	8:00:00	10:00:00	3020	Moscone West
Hydrology	H32A	Advances and Challenges in Unraveling the Impact of Nonpoint Source Fluxes on Groundwater, Vadose Zone, and Surface Waters II	B		12/14/2016	10:20:00	12:20:00	3014	Moscone West
Hydrology	H32B	Advances in Understanding and Remote Sensing of Land-Atmosphere Interactions: From Bedrock to Boundary Layer II	A	A	12/14/2016	10:20:00	12:20:00	3018	Moscone West
Hydrology	H32C	Food, Energy, and Water Nexus: Synergies and Tradeoffs II			12/14/2016	10:20:00	12:20:00	3016	Moscone West
Hydrology	H32D	Subsurface Contaminant Transport and Remediation: Advances in Process Understanding and Applications II	B		12/14/2016	10:20:00	12:20:00	3020	Moscone West
Hydrology	H32E	Thermal Riverscapes: Understanding River Temperature Patterns, Processes, and Implications across Multiple Scales I	GC		12/14/2016	10:20:00	12:20:00	3022	Moscone West
Hydrology	H33A	Subsurface Contaminant Transport and Remediation: Advances in Process Understanding and Applications IV Posters	B		12/14/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H33B	Thermal Riverscapes: Understanding River Temperature Patterns, Processes, and Implications across Multiple Scales II Posters	GC		12/14/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H33C	Large-Scale Climate Variability and Its Impact on Hydrological Systems, Water Resources, and Population I Posters	A,GC,NH,OS		12/14/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H33D	Shifting Extremes: Understanding Hydrological Events for Societal Benefit I Posters	A,GC,NH,SI		12/14/2016	13:40:00	18:00:00	Poster Hall	Moscone South

Hydrology	H33E	Water Moving between People, Policies, Zip-ties, and Duct Tape: Innovations and Future Directions at the Interface of Sociohydrology, and Classical Hydrology I Posters	B,GC,PA	B	12/14/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H33F	Advances and Challenges in Unraveling the Impact of Nonpoint Source Fluxes on Groundwater, Vadose Zone, and Surface Waters III Posters	B		12/14/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H33G	Understanding the Extent and Impacts of Land-Use/Land-Cover and Climate Change on Ecohydrology II Posters			12/14/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H33H	Hydrologic Data Assimilation II Posters			12/14/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H33I	Existing and Legacy Oil and Gas Infrastructure: Characterization, Mitigation, and Management II Posters	B,GC		12/14/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H33J	Critical Role of Field Observation and Experimentation in Catchments and Beyond in Advancing the Hydrological Sciences I Posters	A,B,GC		12/14/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H33K	Advances in Understanding and Remote Sensing of Land-Atmosphere Interactions: From Bedrock to Boundary Layer III Posters	A	A	12/14/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H33L	Advancing Hydrology and Water Quality Models in Watershed Planning and Management I	PA		12/14/2016	13:40:00	15:40:00	3014	Moscone West
Hydrology	H33M	Dual Impact of Urbanization and Climate Change on Watershed Hydrological Responses I	A,GC,NH,SI		12/14/2016	13:40:00	15:40:00	3016	Moscone West

Hydrology	H33N	Existing and Legacy Oil and Gas Infrastructure: Characterization, Mitigation, and Management I	B,GC		12/14/2016	13:40:00	15:40:00	3011	Moscone West
Hydrology	H33O	Hydrologic Data Assimilation I			12/14/2016	13:40:00	15:40:00	3018	Moscone West
Hydrology	H33P	Subsurface Contaminant Transport and Remediation: Advances in Process Understanding and Applications III	B		12/14/2016	13:40:00	15:40:00	3020	Moscone West
Hydrology	H33Q	Transforming Hydrologic Prediction and Decision Making: Integrated Modeling and Management I	IN		12/14/2016	13:40:00	15:40:00	3024	Moscone West
Hydrology	H33R	Understanding the Extent and Impacts of Land-Use/Land-Cover and Climate Change on Ecohydrology I			12/14/2016	13:40:00	15:40:00	3022	Moscone West
Hydrology	H34A	Advances in Data Integration, Inverse Methods, and Data Valuation across a Range of Scales in Hydrogeophysics II	NS		12/14/2016	16:00:00	18:00:00	3020	Moscone West
Hydrology	H34B	Advancing Hydrology and Water Quality Models in Watershed Planning and Management II	PA		12/14/2016	16:00:00	18:00:00	3014	Moscone West
Hydrology	H34C	Critical Role of Field Observation and Experimentation in Catchments and Beyond in Advancing the Hydrological Sciences II	A,B,GC		12/14/2016	16:00:00	18:00:00	3022	Moscone West
Hydrology	H34D	Multiscale and Hybrid Methods for Flow and Transport in Porous Media I	A,B		12/14/2016	16:00:00	18:00:00	3018	Moscone West
Hydrology	H34E	Transforming Hydrologic Prediction and Decision Making: Uncertainty II	IN		12/14/2016	16:00:00	18:00:00	3024	Moscone West
Hydrology	H34F	Water Moving between People, Policies, Zip-ties, and Duct Tape: Innovations and Future Directions at the Interface of Sociohydrology, and Classical Hydrology II	B,GC,PA	B	12/14/2016	16:00:00	18:00:00	3016	Moscone West

Hydrology	H41A	Advancing Hydrology and Water Quality Models in Watershed Planning and Management III Posters	PA		12/15/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Hydrology	H41B	Transforming Hydrologic Prediction and Decision Making III Posters	IN		12/15/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Hydrology	H41C	Dual Impact of Urbanization and Climate Change on Watershed Hydrological Responses II Posters	A,GC,NH,SI		12/15/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Hydrology	H41D	Models and Data of Soil Systems across Scales Posters	B,GC	B	12/15/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Hydrology	H41E	Non-Newtonian Fluids in Subsurface Environments: Rheology, Modeling, and Applications Posters			12/15/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Hydrology	H41F	Multiscale and Hybrid Methods for Flow and Transport in Porous Media II Posters	A,B		12/15/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Hydrology	H41G	Disturbance Hydrology: Exploring Immediate and Long-Term Impacts of Abrupt Changes on Hydrological Processes and Earth Systems I	B,EP,GC,NH	EP	12/15/2016	8:00:00	10:00:00	3022	Moscone West
Hydrology	H41H	Groundwater-Surface Water Interactions: Identifying and Integrating Physical, Biological, and Chemical Processes across Scales I	B		12/15/2016	8:00:00	10:00:00	3020	Moscone West
Hydrology	H41I	Large-Scale Climate Variability and Its Impact on Hydrological Systems, Water Resources, and Population II	A,GC,NH,OS		12/15/2016	8:00:00	10:00:00	3016	Moscone West
Hydrology	H41J	Large-Scale Watershed Modeling and Data Uncertainty on Hydrologic and Water Quality Processes I			12/15/2016	8:00:00	10:00:00	3014	Moscone West
Hydrology	H41K	Remote Sensing Applications in Hydrology: Spatial Patterns and Vertical Land-Surface and Aquifer-Storage Change I			12/15/2016	8:00:00	10:00:00	3018	Moscone West

Hydrology	H41L	Weather and Climate Ensembles for Hydrologic Forecasting and Scenario Analysis I	NH		12/15/2016	8:00:00	10:00:00	3024	Moscone West
Hydrology	H42A	Disturbance Hydrology: Exploring Immediate and Long-Term Impacts of Abrupt Changes on Hydrological Processes and Earth Systems II	B,EP,GC,NH	EP	12/15/2016	10:20:00	12:20:00	3022	Moscone West
Hydrology	H42B	Forecasting Hydrology at Continental Scale I			12/15/2016	10:20:00	12:20:00	3024	Moscone West
Hydrology	H42C	Groundwater-Surface Water Interactions: Identifying and Integrating Physical, Biological, and Chemical Processes across Scales II	B		12/15/2016	10:20:00	12:20:00	3020	Moscone West
Hydrology	H42D	Remote Sensing Applications in Hydrology: Spatial Patterns and Vertical Land-Surface and Aquifer-Storage Change II			12/15/2016	10:20:00	12:20:00	3018	Moscone West
Hydrology	H42E	Shifting Extremes: Understanding Hydrological Events for Societal Benefit II	A,GC,NH,SI		12/15/2016	10:20:00	12:20:00	3016	Moscone West
Hydrology	H42F	Water and Society: Water Resources Management and Policy in a Changing World I (Half Session)	GC,PA,SI		12/15/2016	10:20:00	11:15:00	2022/2024	Moscone West
Hydrology	H42G	Wetland and Riparian Zone Effects on Water Quality, Quantity, and Ecology in Downstream Waters I	B		12/15/2016	10:20:00	12:20:00	3014	Moscone West
Hydrology	H42H	<b>The Paul A. Witherspoon Midcareer Lecture Award in Hydrologic Sciences: 2016 Awardee Prof. Paolo D'Odorico</b>			12/15/2016	11:20:00	12:20:00	2022/2024	Moscone West
Hydrology	H43A	Large-Scale Watershed Modeling and Data Uncertainty on Hydrologic and Water Quality Processes II Posters			12/15/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H43B	Food, Energy, and Water Nexus: Synergies and Tradeoffs III Posters			12/15/2016	13:40:00	18:00:00	Poster Hall	Moscone South

Hydrology	H43C	Weather and Climate Ensembles for Hydrologic Forecasting and Scenario Analysis II Posters	NH		12/15/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H43D	Groundwater-Surface Water Interactions: Identifying and Integrating Physical, Biological, and Chemical Processes across Scales III Posters	B		12/15/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H43E	Climate Variability and Change and Subsurface Hydrology: Impacts, Mitigating Measures, and Predictions II Posters			12/15/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H43F	Advances in Petrophysics for Hydrogeophysics and Near Surface Geophysics II Posters	NS	NS	12/15/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H43G	Disturbance Hydrology: Exploring Immediate and Long-Term Impacts of Abrupt Changes on Hydrological Processes and Earth Systems III Posters	B,EP,GC,NH	EP	12/15/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H43H	Forecasting Hydrology at Continental Scale II Posters			12/15/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H43I	Wetland and Riparian Zone Effects on Water Quality, Quantity, and Ecology in Downstream Waters II Posters	B		12/15/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H43J	General Surface Hydrology I Posters	PA		12/15/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H43K	Remote Sensing Applications in Hydrology: Spatial Patterns and Vertical Land-Surface and Aquifer-Storage Change III Posters			12/15/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H43L	Advances in Petrophysics for Hydrogeophysics and Near Surface Geophysics I	NS	NS	12/15/2016	13:40:00	15:40:00	3022	Moscone West

Hydrology	H43M	Climate Variability and Change and Subsurface Hydrology: Impacts, Mitigating Measures, and Predictions I			12/15/2016	13:40:00	15:40:00	3020	Moscone West
Hydrology	H43N	Heterogeneity, Mixing, and Reaction across Scales: New Experimental, Numerical, and Theoretical Approaches I			12/15/2016	13:40:00	15:40:00	3014	Moscone West
Hydrology	H43O	Remote Sensing Applications for Water Resources Management, Including Irrigation, Droughts, Floods, and Associated Water Cycle Extremes I	A,GC,SI		12/15/2016	13:40:00	15:40:00	3018	Moscone West
Hydrology	H43P	Transforming Hydrologic Prediction and Decision Making: Cyberinfrastructure IV	IN		12/15/2016	13:40:00	15:40:00	3024	Moscone West
Hydrology	H43Q	Water and Society: Water Resources Management and Policy in a Changing World II	GC,PA,SI		12/15/2016	13:40:00	15:40:00	3016	Moscone West
Hydrology	H44A	Flow through Fractured and Deformable Porous Media: Coupling Reactive Transport, Mechanical Deformation, and Hydrodynamics I	MR,NG,T		12/15/2016	16:00:00	18:00:00	3020	Moscone West
Hydrology	H44B	General Surface Hydrology II	PA		12/15/2016	16:00:00	18:00:00	3022	Moscone West
Hydrology	H44C	Heterogeneity, Mixing, and Reaction across Scales: New Experimental, Numerical, and Theoretical Approaches II			12/15/2016	16:00:00	18:00:00	3014	Moscone West
Hydrology	H44D	Remote Sensing Applications for Water Resources Management, Including Irrigation, Droughts, Floods, and Associated Water Cycle Extremes II	A,GC,SI		12/15/2016	16:00:00	18:00:00	3018	Moscone West
Hydrology	H44E	Transforming Hydrologic Prediction and Decision Making: Intelligent Decision Making V	IN		12/15/2016	16:00:00	18:00:00	3024	Moscone West

Hydrology	H44F	Water and Society: Water Resources Management and Policy in a Changing World III	GC,PA,SI		12/15/2016	16:00:00	18:00:00	3016	Moscone West
Hydrology	H51A	Water and Society: Water Resources Management and Policy in a Changing World IV Posters	GC,PA,SI		12/16/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Hydrology	H51B	Persistent Problems in Multiphase Flow and Transport in Porous Media: From Pore- to Continuum-Scale II Posters			12/16/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Hydrology	H51C	Multiscale, Multiphysics Process in Fractured Rock and Modeling of Coupled Transport Phenomena in Fracture Networks I Posters	MR		12/16/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Hydrology	H51D	Heterogeneity, Mixing, and Reaction across Scales: New Experimental, Numerical, and Theoretical Approaches III Posters			12/16/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Hydrology	H51E	Modeling the Critical Zone: Integrating Processes and Data across Disciplines and Scales II Posters	A,B,EP,GC	B	12/16/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Hydrology	H51F	Advances in Hydrologic Prediction Toward Water Resources Decision Making II Posters	A,IN,NH		12/16/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Hydrology	H51G	Advances in Ecohydrology of Water-Stressed Environments II Posters	A,B,EP,GC		12/16/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Hydrology	H51H	Remote Sensing Applications for Water Resources Management, Including Irrigation, Droughts, Floods, and Associated Water Cycle Extremes III Posters	A,GC,SI		12/16/2016	8:00:00	12:20:00	Poster Hall	Moscone South
Hydrology	H51I	Progress in Water Cycle from Satellite Data and Modeling at Global, Regional, and Catchment Scales in a Changing World II Posters			12/16/2016	8:00:00	12:20:00	Poster Hall	Moscone South



Hydrology	H51J	Advances in Ecohydrology of Water-Stressed Environments I	A,B,EP,GC		12/16/2016	8:00:00	10:00:00	3011	Moscone West
Hydrology	H51K	Advances in Hydrologic Prediction Toward Water Resources Decision Making I	A,IN,NH		12/16/2016	8:00:00	10:00:00	3024	Moscone West
Hydrology	H51L	Groundwater-Surface Water Interactions: Identifying and Integrating Physical, Biological, and Chemical Processes across Scales IV	B		12/16/2016	8:00:00	10:00:00	3020	Moscone West
Hydrology	H51M	Hydrology, Society, and Environmental Change: Coupled Human-Water Dynamics across Scales I	PA		12/16/2016	8:00:00	10:00:00	3016	Moscone West
Hydrology	H51N	Modeling the Critical Zone: Integrating Processes and Data across Disciplines and Scales I	A,B,EP,GC	B	12/16/2016	8:00:00	10:00:00	3022	Moscone West
Hydrology	H51O	Persistent Problems in Multiphase Flow and Transport in Porous Media: From Pore- to Continuum-Scale I			12/16/2016	8:00:00	10:00:00	3014	Moscone West
Hydrology	H51P	Progress in Water Cycle from Satellite Data and Modeling at Global, Regional, and Catchment Scales in a Changing World I			12/16/2016	8:00:00	10:00:00	3018	Moscone West
Hydrology	H52A	Advances in Process-Based Hydrologic Modeling I			12/16/2016	10:20:00	12:20:00	3024	Moscone West
Hydrology	H52B	Advances, Breakthroughs, and Challenges in Spatio-Temporal Hydrogeologic Sciences I	PA		12/16/2016	10:20:00	12:20:00	3018	Moscone West
Hydrology	H52C	Drought, Groundwater Management, Recharge, Baseflow, and Sustainability: Assessment, Monitoring, Modeling, Planning, and Policy I			12/16/2016	10:20:00	12:20:00	3014	Moscone West

Hydrology	H52D	Groundwater-Surface Water Interactions: Identifying and Integrating Physical, Biological, and Chemical Processes across Scales V	B		12/16/2016	10:20:00	12:20:00	3020	Moscone West
Hydrology	H52E	Runoff Generation Processes in Changing Environments: Integrating Observations, Processes, and Principles I	B,C,GC,NH		12/16/2016	10:20:00	12:20:00	3022	Moscone West
Hydrology	H52F	Water and Society: Insights from Hydroeconomic Models for Managing Supply, Quality, and Coordination in Water Resource Systems under Climate Extremes and Uncertainty I	PA		12/16/2016	10:20:00	12:20:00	3016	Moscone West
Hydrology	H52G	Water and Society: Water Resources Management and Policy in a Changing World V	GC,PA,SI		12/16/2016	10:20:00	12:20:00	3002	Moscone West
Hydrology	H53A	Water and Society: Insights from Hydroeconomic Models for Managing Supply, Quality, and Coordination in Water Resource Systems under Climate Extremes and Uncertainty II Posters	PA		12/16/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H53B	Hydrology, Society, and Environmental Change: Coupled Human-Water Dynamics across Scales II Posters	PA		12/16/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H53C	Drought, Groundwater Management, Recharge, Baseflow, and Sustainability: Assessment, Monitoring, Modeling, Planning, and Policy II Posters			12/16/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H53D	Flow through Fractured and Deformable Porous Media: Coupling Reactive Transport, Mechanical Deformation, and Hydrodynamics II Posters	MR,NG,T		12/16/2016	13:40:00	18:00:00	Poster Hall	Moscone South

Hydrology	H53E	Ecohydrologic and Ecogeomorphologic Processes at the Intersection of Landscapes and Environmental Change II Posters	B,EP,GC		12/16/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H53F	Runoff Generation Processes in Changing Environments: Integrating Observations, Processes, and Principles II Posters	B,C,GC,NH		12/16/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H53G	Advances, Breakthroughs, and Challenges in Spatio-Temporal Hydrogeologic Sciences II Posters	PA		12/16/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H53H	Advances in Process-Based Hydrologic Modeling II Posters			12/16/2016	13:40:00	18:00:00	Poster Hall	Moscone South
Hydrology	H53I	Advances in Hydrologic Prediction Toward Water Resources Decision Making III	A,IN,NH		12/16/2016	13:40:00	15:40:00	3024	Moscone West
Hydrology	H53J	Ecohydrologic and Ecogeomorphologic Processes at the Intersection of Landscapes and Environmental Change I	B,EP,GC		12/16/2016	13:40:00	15:40:00	3022	Moscone West
Hydrology	H53K	Hydrology, Society, and Environmental Change: Coupled Human-Water Dynamics across Scales III	PA		12/16/2016	13:40:00	15:40:00	3016	Moscone West
Hydrology	H53L	Multiscale, Multiphysics Process in Fractured Rock and Modeling of Coupled Transport Phenomena in Fracture Networks II	MR		12/16/2016	13:40:00	15:40:00	3020	Moscone West
Hydrology	H53M	Persistent Problems in Multiphase Flow and Transport in Porous Media: From Pore- to Continuum-Scale III			12/16/2016	13:40:00	15:40:00	3014	Moscone West
Hydrology	H53N	Remote Sensing Applications for Water Resources Management, Including Irrigation, Droughts, Floods, and Associated Water Cycle Extremes IV	A,GC,SI		12/16/2016	13:40:00	15:40:00	3018	Moscone West

Hydrology	H54A	Advances in Process-Based Hydrologic Modeling III			12/16/2016	16:00:00	18:00:00	3024	Moscone West
Hydrology	H54B	Drought, Groundwater Management, Recharge, Baseflow, and Sustainability: Assessment, Monitoring, Modeling, Planning, and Policy III			12/16/2016	16:00:00	18:00:00	3014	Moscone West
Hydrology	H54C	Multiscale, Multiphysics Process in Fractured Rock and Modeling of Coupled Transport Phenomena in Fracture Networks III	MR		12/16/2016	16:00:00	18:00:00	3020	Moscone West
Hydrology	H54D	Remote Sensing Applications for Water Resources Management, Including Irrigation, Droughts, Floods, and Associated Water Cycle Extremes V	A,GC,SI		12/16/2016	16:00:00	18:00:00	3018	Moscone West
Hydrology	H54E	Runoff Generation Processes in Changing Environments: Integrating Observations, Processes, and Principles III	B,C,GC,NH		12/16/2016	16:00:00	18:00:00	3022	Moscone West
Hydrology	H54F	Water and Society: Insights from Hydroeconomic Models for Managing Supply, Quality, and Coordination in Water Resource Systems under Climate Extremes and Uncertainty III	PA		12/16/2016	16:00:00	18:00:00	3016	Moscone West