



AMERICAN WATER RESOURCES ASSOCIATION

COMMUNITY, CONVERSATION, CONNECTIONS

AWRA Spring Specialty Conference **GIS and Water Resources X:** **Spatial Analysis of Watersheds: Ecological, Hydrological, and** **Societal Responses** **April 22 – 25, 2018** **Rosen Centre Hotel, Orlando Florida**

Call for Topical Sessions and Workshops

As part of the general Call for Abstracts we are pleased to announce an open Call for Topical Sessions and Workshops. Topical Sessions allow a dedicated block of time for several focused papers or panel discussion to explore a specific topic in more detail. The **deadline** for proposing a topical session or workshop is **December 1, 2017**.

A Topical Session Organizer's role is to propose a relevant and timely subject, recruit speakers to submit abstracts to the session, and moderate the actual session during the Conference. Those interested in organizing and hosting a special session are invited to submit the following information:

- Title of proposed Topical Session or Workshop
- A brief description (less than 350 words) stating the importance of the topic and the rationale for the proposed session
- Organizer(s), including brief biography and contact information
- List of potential presenters (to submit abstracts via the general call) and their topics, if available

There is no fee to submit a proposal for a Topical Session The above information should be submitted directly to the Conference Topical Session Chair Dr. Norm Jones no later than December 1, 2017. njones@byu.edu

Send workshop proposals to yeghialt@ucmail.uc.edu

Proposals for Topical Sessions will be evaluated by the Conference Planning Committee based on the timeliness and relevance of the topic, and the degree to which the topic will bring together key researchers to disseminate recent advances to the water resources geospatial community. ***Note: A unique code will be provided to the accepted sessions' organizers for presenters to use when submitting session abstracts.***

Abstracts submitted for an accepted Topical Session will be subject to the same submittal and review process as all other abstracts

Keep your eye on the AWRA conference webpage for more exciting announcements!

A list of suggested topics and subtopics is on the reverse side.

Conference General Chair: Sandra Fox, St Johns River Water Management District, sfox@sjrwmd.com

AWRA Spring Specialty Conference

GIS and Water Resources X:

Spatial Analysis of Watersheds: Ecological, Hydrological, and Societal Responses

Suggested Topics and Sub-topics for Topical Sessions.

The ONLINE Call for Abstracts will be available on the AWRA homepage in late August of 2017!

Data Acquisition and Management

Innovative Data Acquisition
Mobile Data Collection
Efficient Data Processing
Secure Data Sharing
Handling Data Uncertainty
Authoritative Data Portals
Web Services
Data Curation
Processing Big Data
Ontologies and Semantics
Advances in Remote Sensing
New Data Models and Structures

Process Modeling

Managing Workflows
Geoprocessing
Modeling with Uncertainties
Integrated Hydrologic/Hydraulic Modeling
Integrated Groundwater/Surface Water Modeling
Citizen Science
Community Communication
Sea Level Rise Adaptation and Climate Change
Spatial Algorithms
Decision Modeling
Geospatial Visualization
Cloud Computing
High Performance Computing
Parallel Computing
Open Source Tools and Libraries
Scientific Computing

Implementation

Water Supply Optimization
Land Cover/Land Use Change
Weather Forecasting
Snowmelt Estimation
Effective Decision System
Drought Risk, Planning and Management
Ecosystem Modeling and Monitoring
Integrated Watershed Management
Water and Energy Decisions
Stormwater Management Innovations
International Approaches and Collaboration
Balancing Costs and Environmental Policies
River Hydraulics
Urban Watershed Management
Managing Water Resources Under Extreme Weather Cycles
Regional and National Systems
Groundwater Management
Flood Risk Mitigation Planning
Water Quality Improvements
Hazard modeling (e.g. Landslides, Floods, Fires, Erosion)

Emergency Management: Operations and Planning
Coastal Processes
Sediment Management
Water Distribution and Drought Resilience
Ocean Modeling
Hydrologic Modeling
Watershed Conservation and Restoration

Important dates:

Proposals for Topical Sessions to njones@byu.edu due:
No later than **December 1, 2017**
Proposals for Workshop to yeghialt@ucmail.uc.edu due:
No later than **December 1, 2017**
Notification of Topical Sessions /Workshop acceptance:
December 15, 2017
Abstracts due (online submittal system): **January 9, 2018**
Notification of Abstract acceptance: **Late January, 2018**