



50th Anniversary  
**AWRA**  
AMERICAN WATER RESOURCES ASSOCIATION

# TECHNICAL AND POSTER SESSIONS-AT-A-GLANCE

## 2014 AWRA ANNUAL WATER RESOURCES CONFERENCE

"50 YEARS OF WATER RESOURCES MANAGEMENT: WHERE HAVE WE BEEN, WHERE ARE WE GOING?"

NOVEMBER 3-6, 2014 ~ SHERATON PREMIERE HOTEL ~ TYSONS CORNER, VIRGINIA

• MONDAY ~ NOVEMBER 3 • (SS DENOTES A "SPECIAL SESSION")

**8:30 AM-10:00 AM**  
**OPENING PLENARY SESSION**

**SPEAKER**  
**DR. KATHRYN SULLIVAN**  
NOAA ADMIN. ~ WASHINGTON, DC

**POSTER SESSION**  
**8:30 AM-6:30 PM**

**LUNCH ~ ON YOUR OWN**  
**12:00 NN-1:30 PM**

**OPENING NETWORKING RECEPTION**  
**5:00 PM-6:30 PM**

**10:30 AM-12:00 NOON**  
**PLENARY PANEL SESSION**

**21ST CENTURY WATER**  
**RESOURCE CHALLENGES**

**MODERATOR**  
**DR. JERRY DELLI PRISCOLI**  
USACE

**PANEL SPEAKERS**  
**MAJOR GENERAL JOHN PEABODY**  
USACE

**LYNN SCARLET**  
THE NATURE CONSERVANCY  
**JOHN ANDERSON**  
U.S. HOUSE OF REPRESENTATIVES  
**GEORGE S. HAWKINS**  
D.C. WATER & SEWER AUTHORITY

**1:30 PM-3:00 PM**  
**CONCURRENT SESSIONS 1-6**

- 1 **SS Panel:** Unique Program to Drive Water Quality in the Delaware River Watershed
- 2 **SS Panel:** Social Science & Emerging Contaminants-1
- 3 Climate Change-1
- 4 Ecosystem Restoration
- 5 Agricultural Water Supply
- 6 Management Tools-1: Data Gathering

**3:30 PM-5:00 PM**  
**CONCURRENT SESSIONS 7-12**

- 7 **SS Panel:** Adapting to Climate Change Using Natural Infrastructure
- 8 **SS Panel:** Social Science & Emerging Contaminants-2
- 9 Climate Change-2
- 10 Ecosystem Services
- 11 **SS:** Modern Water Data Dissemination and Exchange: Right Information, Right People, Right Time
- 12 Management Tools-2: IWRM

• TUESDAY ~ NOVEMBER 4 • (SS DENOTES A "SPECIAL SESSION")

**8:30 AM-10:00 AM**  
**CONCURRENT SESSIONS 13-18**

- 13 **SS Panel:** 50 Years of Evolving Water Law & Mgmt. in the U.S.
- 14 **SS:** North American Stream Hydrographers (NASH) – Hydrometric Computations
- 15 **SS:** Transitioning to Dynamic Reservoir Operations-1
- 16 Integrating Ecosystem Services Into USDA Forest Service Programs
- 17 **SS:** Protecting Our Water
- 18 **SS:** Education: Training Water Resources Professionals

**5K RUN**  
**6:30 AM-8:00 AM**

**10:30 AM-12:00 NOON**  
**CONCURRENT SESSIONS 19-24**

- 19 **SS Panel:** Efficient Water Use: Then, Now, & the Future
- 20 **SS:** North American Stream Hydrographers (NASH) – Hydrometric Techniques & Methods
- 21 **SS:** Transitioning to Dynamic Reservoir Operations-2
- 22 **SS:** Ecohydrology – Implications of Precipitation Change on Forest Resources in Alaska & the Pacific
- 23 **SS:** Water Law: Regulatory Takings and Water Rights
- 24 **SS:** The Future of Non-Point Pollution Strategies

**POSTER SESSION**  
**8:30 AM-3:00 PM**

**1:30 PM-3:00 PM**  
**CONCURRENT SESSIONS 25-30**

- 25 **SS Panel:** AWRAat 50-1: The Future of Water Resources Research in the U.S.
- 26 **SS:** North American Stream Hydrographers (NASH) – Hydrometric Uncertainty
- 27 Climate Change-3
- 28 **SS:** Greening the Invisible Hand: Creating Private Markets to Improve Urban Water
- 29 Mid-Atlantic Region-1: Water Issues
- 30 **SS:** 50 Years of the Water Resources Research Act-1

**LUNCH ~ ON YOUR OWN**  
**12:00 NN-1:30 PM**

**3:30 PM-5:00 PM**  
**CONCURRENT SESSIONS 31-36**

- 31 **SS Panel:** AWRAat 50-2: The Future of Water Policy in the U.S.
- 32 **SS Panel:** NASH – Discharge Measurements: Needs for Improving the Estimate of Measurement Uncertainty
- 33 Climate Change-4
- 34 Green Infrastructure & Natural System Restoration
- 35 Water Resources & Engineering Education
- 36 **SS:** 50 Years of the Water Resources Research Act-2

**SPECIAL EVENT ~ EVENING SESSION**  
**7:00 PM-9:00 PM**  
**NEXT GENERATION INTEGRATED**  
**WATER RESOURCES MANAGEMENT**

• WEDNESDAY ~ NOVEMBER 5 • (SS DENOTES A "SPECIAL SESSION")

**8:30 AM-10:00 AM**  
**CONCURRENT SESSIONS 37-42**

- 37 **SS Panel:** AWRAat 50-3: The Future of Water Mgmt.
- 38 **SS Panel:** Watershed Protection Modeling-1
- 39 **SS:** International Water Resources-1: Transboundary, Water Security, Global Cyber Security
- 40 Agricultural Water Quality & Reuse
- 41 Groundwater-1
- 42 Mgmt. Tools-3: Modeling

**10:30 AM-12:00 NOON**  
**CONCURRENT SESSIONS 43-48**

- 43 **SS Panel:** AWRAat 50-4: 50th Anniversary History (1964-2014)
- 44 **SS Panel:** Watershed Protection Modeling-2
- 45 International Water Resources-2
- 46 Water Quality-1: Standards & TMDLs
- 47 Groundwater-2
- 48 Mgmt. Tools-4: Decision Support

**1:30 PM-3:00 PM**  
**CONCURRENT SESSIONS 49-54**

- 49 **SS Panel:** AWRAat 50-5: Looking Back, Moving Forward
- 50 Flood Mgmt.-1
- 51 International Water Resources-3
- 52 Water Quality-2: Measurement & Mgmt.
- 53 Water Supply Efficiency & Conservation
- 54 Mgmt. Tools-5: Data Decision Support

**3:30 PM-5:00 PM**  
**CONCURRENT SESSIONS 55-60**

- 55 **SS Panel:** The First & Next 50 Years of Compact River Basin Mgmt. in the Mid-Atlantic
- 56 Flood Mgmt.-2: Risk, Uncertainty, & Planning
- 57 International Water Resources-4
- 58 Water Quality-3: Criteria & Nutrient Removal
- 59 Energy-Water Nexus
- 60 Mgmt. Tools-6: IWRM & Decision Support

**CONFERENCE AWARDS LUNCHEON ~ 12:00 NN-1:30 PM**

• THURSDAY ~ NOVEMBER 6 • (SS DENOTES A "SPECIAL SESSION")

**8:30 AM-10:00 AM**  
**CONCURRENT SESSIONS 61-66**

- 61 **SS Panel:** Open Water Data-1: Assessment of National Priorities
- 62 **SS Panel:** AWRAPolicy Comm. Report: Flood & Drought Case Studies in Proactive Mgmt.
- 63 DC-Maryland Water Issues
- 64 Water Quality Science
- 65 Policy & Planning-1
- 66 **SS:** Low Impact Development

**LUNCH ~ ON YOUR OWN ~ 12:00 NN-1:30 PM**

**10:30 AM-12:00 NOON**  
**CONCURRENT SESSIONS 67-72**

- 67 **SS:** Lightning Talks - Open Water Data 2: Nat'l. Water Data Issues - Data Access & Analytics
- 68 Coastal Flooding
- 69 Mid-Atlantic Region-2: Watershed Planning
- 70 **SS:** Water Quality in Nat'l. Parks
- 71 Policy & Planning-2
- 72 Managing Uncertainty

**1:30 PM-3:00 PM**  
**CONCURRENT SESSIONS 73-78**

- 73 **SS:** Lightning Talks - Open Water Data 3: Nat'l. Water Data Issues – Modeling & Integration
- 74 **SS:** Ecological Flows/Modeling
- 75 Chesapeake Bay: Climate Change & TMDL Mgmt.
- 76 Water Quality: Innovative BMPs, Sediment Acoustics, Nutrient Modeling
- 77 Fluvial Geomorphology
- 78 Water Resources Mgmt. History

**3:30 PM-5:00 PM**  
**CONCURRENT SESSIONS 79-84**

- 79 **SS Panel:** Open Water Data-4: Open Water Data Futures
- 80 **SS:** Mid-Atlantic Region-3: Green Infrastructure & Nutrient Mgmt.
- 81 Surface Water BMPs
- 82 Community Water Mgmt. Tools
- 83 Tools for Contemporary Water Challenges