



**2017 AWRA ANNUAL CONFERENCE ~ NOVEMBER 6-9, 2017  
RED LION ON THE RIVER-JANTZEN BEACH HOTEL ~ PORTLAND, OREGON**

**TECHNICAL & POSTER SESSIONS-AT-A-GLANCE**

**• MONDAY ~ NOVEMBER 6 •**

<p><b>8:15 AM-10:15 AM</b> <b>OPENING PLENARY SESSION</b></p> <p><b>KEYNOTE SPEAKER</b> <b>ERIC QUAEMPTS</b> DIRECTOR • DEPT. OF NATURAL RESOURCES • CONFEDERATED TRIBES OF THE UMATILLA INDIAN RESERVATION PENDLETON, OREGON</p> <p><b>GUEST SPEAKER</b> <b>TIMOTHY PALMER</b> PHOTOGRAPHER &amp; HISTORIAN OREGON <i>WILD &amp; SCENIC RIVERS: AN AMERICAN LEGACY</i></p>	<p><b>10:45 AM-12:00 NOON</b></p> <p align="center"><b>PLENARY LIGHTNING TALKS</b></p> <p align="center"><b>PREVIEWS OF THE WEEK</b></p>	<p><b>1:30 PM-3:00 PM</b> <b>CONCURRENT SESSIONS 1-5</b></p> <p><b>1</b> Lightning Talks: Hydro Informatics <b>2</b> Aquifer Storage &amp; Recovery: Innovative Approaches to Water Management <b>3</b> Drought &amp; Disadvantaged Communities <b>4</b> Place-Based Water Planning <b>5</b> Preparing Your Manuscript for Journal Submission</p>	<p><b>3:30 PM-5:00 PM</b> <b>CONCURRENT SESSIONS 6-10</b></p> <p><b>6</b> Lightning Talks: Field Technologies &amp; Data Collection <b>7</b> Groundwater Governance <b>8</b> Road to Brasilia-I: Climate Change Impacts <b>9</b> Panel: Accessing Water Supply From Federal Projects: Challenges &amp; Opportunities <b>10</b> Road to Brasilia-II: The Water-Energy Nexus</p>
<p><b>8:30 AM-6:30 PM</b> <b>POSTER SESSION</b></p>	<p><b>12:00 NOON-1:30 PM</b> <b>LUNCH (ON YOUR OWN)</b></p>	<p><b>4:45 PM-5:00 PM</b> <b>STUDENT ATTENDEE CONFERENCE ORIENTATION</b></p>	<p><b>5:00 PM-6:30 PM</b> <b>OPENING NETWORKING RECEPTION</b></p>

**• TUESDAY ~ NOVEMBER 7 •**

<p><b>8:30 AM-10:00 AM</b> <b>CONCURRENT SESSIONS 11-15</b></p> <p><b>11</b> Sharing &amp; Integrating Water Data for Sustainability-I <b>12</b> Groundwater Dependent Ecosystems-I: Hydrogeology, Ecology &amp; Management <b>13</b> Panel: California Water: Winning With the WIIN Act? <b>14</b> Road to Brasilia-III: WRF Research on Integrated Water Management &amp; Water Supply Diversification <b>15</b> Marshes, Wetlands, &amp; Lakes: Data, Processes, &amp; Restoration</p>	<p><b>10:30 AM-12:00 NOON</b> <b>CONCURRENT SESSIONS 16-20</b></p> <p><b>16</b> Decision Support for Water Resources Management <b>17</b> Groundwater Dependent Ecosystems-II: Hydrogeology, Ecology, &amp; Management <b>18</b> Drought: State &amp; Regional Responses <b>19</b> Road to Brasilia-IV: Integrated Water Resources Management: Analysis, Tools, &amp; Application <b>20</b> Ecosystem Restoration &amp; Management</p>	<p><b>1:30 PM-3:00 PM</b> <b>CONCURRENT SESSIONS 21-25</b></p> <p><b>21</b> Evolution of NHD: The National Hydrologic Dataset <b>22</b> Coastal &amp; Estuary Processes &amp; Restoration <b>23</b> Road to Brasilia V: Climate Change: Assessing Future Needs &amp; Risks <b>24</b> Mining: Its Impacts &amp; Legacy <b>25</b> Adaptive Management</p>	<p><b>3:30 PM-5:00 PM</b> <b>CONCURRENT SESSIONS 26-30</b></p> <p><b>26</b> Evapotranspiration &amp; Crop Water Use: Current Research &amp; Application <b>27</b> First Floods &amp; River Vision <b>28</b> Drought: Impacts, Resilience, &amp; Persistence <b>29</b> State Water Law &amp; Management <b>30</b> Project WET: Hands-On Educational Experience</p>
<p><b>8:30 AM-3:30 PM</b> <b>POSTER SESSION</b></p>	<p><b>12:00 NOON-1:30 PM</b> <b>LUNCH &amp; LEARN: PRESENTATION &amp; BOOK SIGNING</b> <b>BILL &amp; ROSEMARIE ALLEY ~ HIGH AND DRY</b></p>	<p><b>6:00 PM ~ SPECIAL EVENT</b> <b>A SPECIAL EVENING IN PORTLAND</b></p>	



# 2017 AWRA Annual Conference

November 5-9, 2017 - Portland, OR  
Red Lion on the River - Jantzen Beach Hotel

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### TECHNICAL & POSTER SESSIONS-AT-A-GLANCE

#### • WEDNESDAY ~ NOVEMBER 8 •

**8:30 AM-10:00 AM**  
**CONCURRENT SESSIONS 31-35**

- 31** Sharing & Integrating Water Data for Sustainability-II
- 32** Groundwater Systems: Characterization & Management
- 33** Climate Change & Floods in the Willamette River
- 34** **Panel:** Protecting Instream Flows & Meeting Water Supply Demands in Washington State: Part I - Conflicts
- 35** **Panel:** The Art of Good Communication: Be Bold, Speak Clearly

**10:30 AM-12:00 NOON**  
**CONCURRENT SESSIONS 36-40**

- 36** Agricultural Data
- 37** Application of Streamflow Data for Research & Management-I
- 38** Flood Forecasting & Modeling
- 39** **Panel:** Protecting Instream Flows & Meeting Water Supply Demands in Washington State: Part II - Water Banking Solutions
- 40** Cultural/International Communications

**1:30 PM-3:00 PM**  
**CONCURRENT SESSIONS 41-45**

- 41** Data Visualization
- 42** Application of Streamflow Data for Research & Management-II
- 43** Flood Forecasting & Mapping
- 44** Reservoir Operations, Levees, & Hydraulic Modeling
- 45** Educating the Next Generation of Water Resources Professionals

**3:30 PM-5:00 PM**  
**CONCURRENT SESSIONS 46-50**

- 46** Oxbridge Academy Student Workshop
- 47** Sediment & Flow Modeling
- 48** Floods in the Mid-Atlantic Region: Forecasts & Characteristics
- 49** Source Water Quality
- 50** Water Demand & Conservation

9:00 AM-12:00 NOON  
**AWRA CAREER FAIR**

12:00 NOON-1:30 PM • **SPECIAL EVENT**  
**ANNUAL CONFERENCE AWARDS LUNCHEON**  
SPEAKER • **BRENDA LENNOX**  
PRESIDENT • **AMERICAN WATER WORKS ASSOCIATION • DENVER, COLORADO**

5:30 PM-7:00 PM  
**STUDENT & YOUNG PROFESSIONAL NETWORKING**

#### • THURSDAY ~ NOVEMBER 9 •

**8:30 AM-10:00 AM**  
**CONCURRENT SESSIONS 51-55**

- 51** Remote Sensing Technology Innovations
- 52** Resilient Stormwater Infrastructure
- 53** Occurrence & Fate of Contaminates of Emerging Concern in Protected & Unprotected Environments
- 54** Environmental Accounting & Ecosystem Services
- 55** Backflow Prevention, Smart Meters, & Your Irrigation System

**10:30 AM-12:00 NOON**  
**CONCURRENT SESSIONS 56-60**

- 56** Nature-Based Solutions to River & Coastal Management Challenges
- 57** Green Infrastructure: Improving Resilience & Livability
- 58** Tips & Tools for TMDLs
- 59** Water Supply/Availability Programs & Case Studies
- 60** Dam Safety & Operations

**1:30 PM-3:00 PM**  
**CONCURRENT SESSIONS 61-65**

- 61** Restoration & Cleanup
- 62** Groundwater Hydrology & Geochemistry of Columbia River Basalt Aqifers
- 63** Water Quality: *E. coli*, Pesticides, & Anti-microbial Resistance
- 64** Communication Tools & Considerations
- 65** Infrastructure Management

**3:30 PM-5:00 PM**  
**CONCURRENT SESSIONS 66-70**

- 66** Monitoring: Water Quantity & Water Quality Programs
- 67** Stormwater Runoff, Infiltration, & Groundwater
- 68** **Panel:** Emerging Policies of the New Federal Administration on Water Resources, Climate Research, & Resiliency
- 69** Urban Water, Source Water & IWRM
- 70** The Role of Forests: Land Mgmt. as Water Mgmt.

6:30 AM-8:00 AM  
**FUN RUN**

12:00 NOON-1:15 PM • **LUNCH & LEARN**  
**WILLAMETTE BASIN INTEGRATED MODELING – WILLAMETTE WATER 2100 EFFORT**  
ADELL AMOS & WILLIAM JAEGER • UNIVERSITY OF OREGON • EUGENE, OREGON