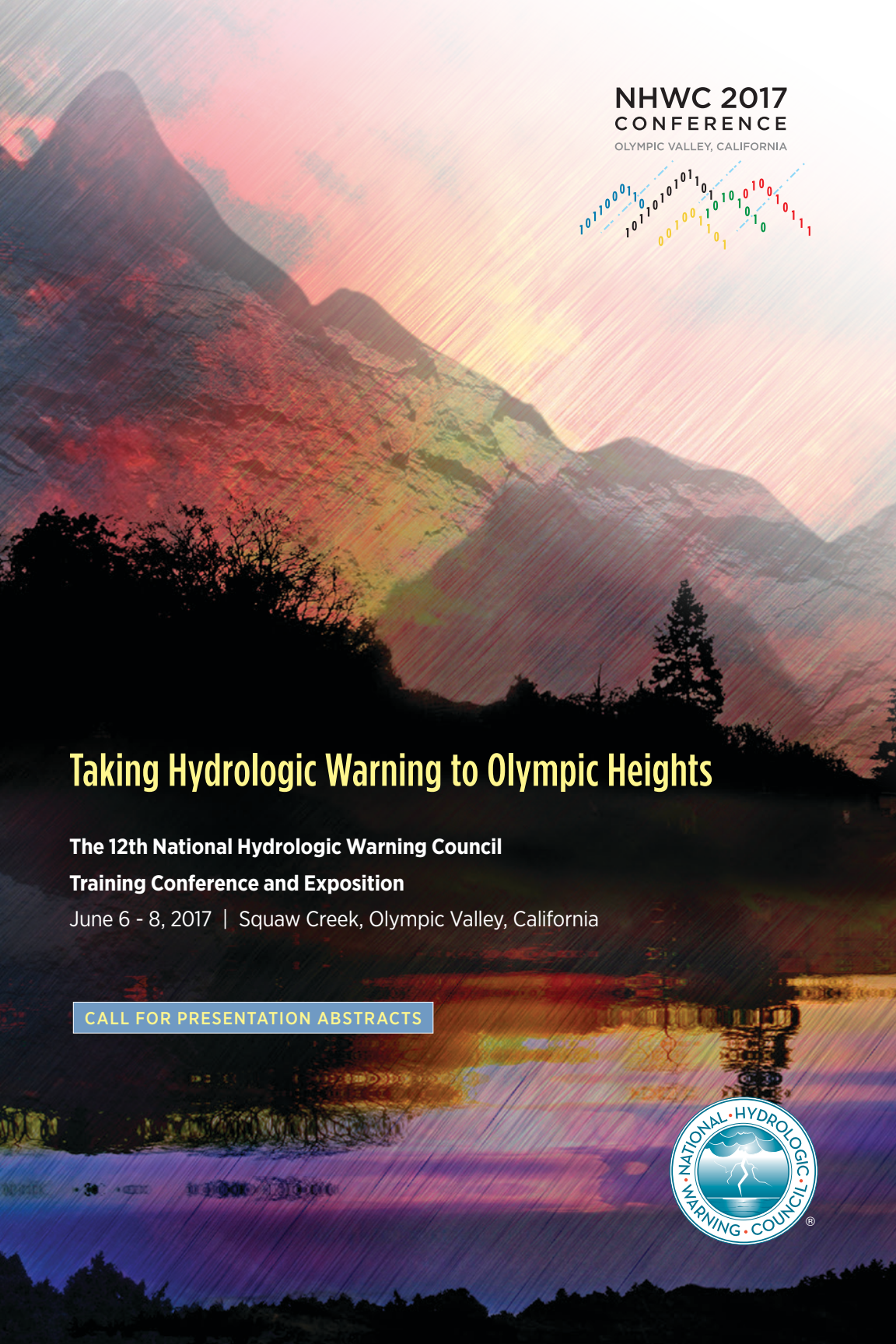
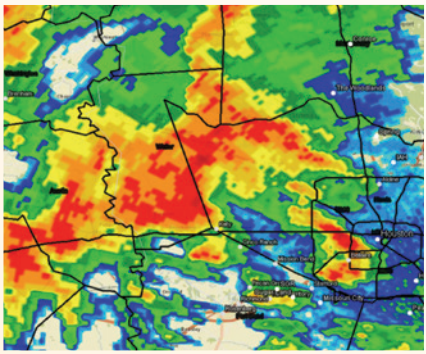

NHWC 2017
CONFERENCE
OLYMPIC VALLEY, CALIFORNIA
Taking Hydrologic Warning to Olympic Heights
The 12th National Hydrologic Warning Council
Training Conference and Exposition
June 6 - 8, 2017 | Squaw Creek, Olympic Valley, California
CALL FOR PRESENTATION ABSTRACTS
NATIONAL HYDROLOGIC WARNING COUNCIL



Clockwise from top teft: Harris County Flood Control District; Raleigh News & Observer; USGS-Norcross Office

2016 Tax Day Flood radar graphic of the Houston, Texas area (top left)

Flooding in Lumberton, North Carolina (above)

USGS installing a rapid-deployment storm surge sensor in South Carolina for Hurricane Matthew (left)

The need for hydrologic information and decision-making tools continues to elevate in importance as we face flooding and water scarcity seemingly on a cyclical basis. The National Hydrologic Warning Council (NHWC) holds a biennial conference focused on these issues with the next being held in Olympic Valley, California from June 6 to 8, 2017. It is the largest conference of its kind in the United States, devoted specifically to real-time hydrologic warning systems and how these systems and associated technologies assist local officials with hydrologic hazard preparedness, emergency response, recovery, and mitigation.

Reflecting the mountain location close to Lake Tahoe that was the site of the 1960 Winter Olympics, the theme of the 2017 conference is *Taking Hydrologic Warning to Olympic Heights*.

The theme highlights the efforts of the hydrologic warning community in pushing boundaries to protect lives, as well as property and the environment, with advances in hydrologic warning systems. The conference provides a multi-disciplinary hydrologic warning training experience for field personnel, engineers, hydrologists, forecasters, water resource managers, emergency management officials, and others. The program will include a wide range of keynote presentations and more detailed technical sessions responsive to the needs of those just getting started and those with more advanced needs.

Become part of the conference by sharing your experiences and the advances you have been working on. This *Call for Presentation Abstracts* provides a unique opportunity to be considered for the conference program – just submit a short abstract. Speakers at the conference are eligible for the lowest registration fees.

NHWC 2017 CONFERENCE

OLYMPIC VALLEY, CALIFORNIA

Taking Hydrologic Warning to Olympic Heights

Conference Format and Tracks

JUNE 6, 2017

Multiple concurrent 90 minute and half day training workshops allow attendees dedicated time to get hands-on experience with new hydrologic warning technologies, learn how to upgrade systems, and improve operations and maintenance.

JUNE 7, 2017

A morning plenary session of invited, regional and national speakers is followed by concurrent tracks of 30 minute presentations (longer presentation slots up to 90 minutes may be requested).

JUNE 8, 2017

All day concurrent tracks of 30 minute presentations (longer presentation slots up to 90 minutes may be requested).

TRACK 1 – The Sprints: Warning and Response

- Getting the right information to the right people at the right time to get the right response
- Communicating risk
- Implementing end-to-end Multi-Hazard Warning Systems worldwide
- Mobile devices (smart phones, tablets, or PDAs) as warning tools

TRACK 2 – The Dash: Social Media

- Understanding human connections
- Multi-channel communications
- The role of social networks in emergency warning
- Crowdsourced Data Collection
- Federal collaborative efforts in Social Media

TRACK 3 – The Slolam: Navigating Rules and Regulations

- Flood warning systems and the Community Rating System
- Integrated watershed management
- Integrated flood warning systems in floodplain management activities

Resort at Squaw Creek

TRACK 4 – Hitting the Wall: Drought

- Communicating slow-moving disasters
- Devastating droughts in United States
- Driving response to slowly evolving disasters when large infrastructure changes are needed
- Adaptation strategies

TRACK 5 – Bigger, Better, Faster: Performance and Innovation

- Changing technology
- New observation systems
- Ensemble forecasting
- Probabilistic hydrologic forecasts
- Atmospheric rivers impacts
- Remote sensing options
- Designing networks for ALERT2
- Source Address Management

TRACK 6 – Olympic Lore: Extreme Events

- Lessons learned from recent extreme events
- Epic flood events
- Hurricane impacts
- International experiences with hydrologic hazards
- Monitoring emerging threats related to water quality issues, oil spills, tsunamis, fire burn areas, debris flows, and landslides

TRACK 7 – Raising the Bar: Best Practices

- Data collection/monitoring
- Multi-sensor precipitation estimates
- Hydrologic, hydraulic, and reservoir modeling
- Community Hydrologic Prediction System (CHPS)
- Corps Water Management System (CWMS)
- Inundation mapping
- Best practices for operations and maintenance

TRACK 8 – The Marathon: Climate Change

- Technologies for a moving climate target
- Sea level rise
- Impacts on tidally influenced rivers
- Weather extremes
- Dealing with non-stationarity
- NOAA Atlas 14 updates

Tram to Squaw Valley Ski Resort's High Camp

Courtesy of the Resort at Squaw Creek

About NHWC

NHWC is a non-profit professional member association dedicated to assisting emergency and environmental management officials on the use of real-time, high quality hydrologic information from automated remote data systems, with the goals of protecting lives, property, and the environment.

Photo by Chris Crompton

Squaw Creek Golf Course

Instructions for Submitting Abstracts

Abstracts and biographies must be submitted by January 9, 2017 online at **www.hydrologicwarning.org**. Authors will be notified of their acceptance by the NHWC agenda committee approximately three weeks after the close of submittals.

A concise biography of all authors must be provided, including job title, employer, phone number, mail, and e-mail address of each author.

Both short and long-format presentations are being sought:

- Short presentations - 30 minutes, including a Q&A period
- Long presentations – up to 90 minute workshop-style presentations may be requested – ideal for extended training, multi-speaker programs on a common theme, or panel style presentations

The length of presentation should be noted on the abstract submittal. All presentations must focus on professional content and not include specific promotion of a product or company. Presentations should be delivered via USB drive at time of check-in at the registration desk.

Preparation of a complete paper is encouraged but is not a requirement for presenting at the conference. By submitting an abstract for a presentation or paper, authors agree to its distribution at the conference and to subsequent reproduction in conference proceedings, newsletters, and on the NHWC website.

Further Conference Information

Full 3-day conference registration fees are:

- NHWC members and speakers: $575 up to April 30, 2017 and $675 on and after May 1
- Non-members: $700 prior to April 30, 2017, $800 after May 1, 2017
- Students $225 (current student ID is required at check-in)

Single day registration fees are:

- NHWC members and speakers: $275/day
- Non-members: $350/day

Special hotel rates of $189 + taxes (currently 10.3%, but subject to change) + resort fee per night are available at Squaw Creek. Hotel reservations can be made online from the **NHWC webpage** or by calling (530) 583-6300 and referencing “National Hydrologic Warning Council” to secure the group rate. The hotel will honor this special rate until May 15, 2017.

Reduced rates of $119 + taxes (currently 10.3%, but subject to change) are available for government employees (ID required). To request the special government passkey, please contact april@aprilkrieg.com and provide your government agency information.

The conference will offer many chances for professional networking, including a golf scramble on Monday June 5 (green fees extra) at 12:30 p.m. at the Squaw Creek Golf Course, evening social events, including a Tuesday night not to be missed at High Camp, 8,200 feet above Squaw Valley, and the awards banquet on the last night.

For the latest information visit the conference page at **www.hydrologicwarning.org**