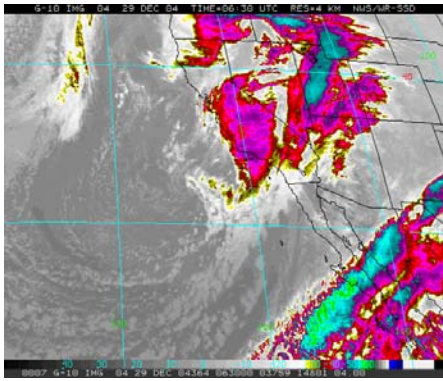


ALERT Users Group
23rd Flood Warning Systems
Training Conference and Exposition:

Conference Agenda
May 4-7, 2010



Monday: May 3, 2010

Exhibition Setup

8:00 am – 5:00 pm

Conference Registration Open

1:00 pm – 5:00 pm

Conference Coordination Meeting

Logistics Coordination with Hotel Staff

9:00 am – 10:00 am

NHWC Interim Summit Meeting

10:00 am – 5:00 pm

AUG-NHWC Executive Planning Meeting

6:00 pm – 8:00 pm

Hospitality Suite Open

6:00 pm – 9:00 pm

Horizon I

Horizon Foyer

Executive Board Room

Executive Board Room

Plaza A-B

Room 342

ALERT Users Group
23rd Flood Warning Systems
Training Conference and Exposition
May 4-7, 2010

Tuesday: May 4, 2010
Conference Workshops and Training Sessions

Conference Registration Open

7:00 am – 5:00 pm

Horizon Foyer

Continental Breakfast

7:00 am – 8:00 am

Horizon Room I

Technical Workshop 1

8:30 am – 10:00 am

Plaza A-B

Real-Time Flood Forecast and Warning Systems

Ryan Kilgren, DHI Water and Environment, Inc.

DHI will present an implementation methodology that incorporates real-time data pertinent to forecasting flood events into a database that is used to automatically initiate/post-process/store numerical hydrologic and hydraulic model results. Multiple communication streams are available (internet, pager, email, reverse 911) for distributing the collected data and model results to various levels of users, to ensure messages are properly targeted.

Technical Workshop 2

8:30 am – 10:00 am

Horizon II

Multi-Path Communication with the 50386

Dave Leader, HydroLynx Systems, Inc.

The 50386 DCU has multi-communication paths, two way communication and control capabilities. Learn how to program the 50386 to take advantage of these features with the ScadaLynx 50386 Toolbox software. Participants who bring notebook computers will get hands on training using the ScadaLynx 50386 Toolbox.

Morning Break

10:00 am - 10:30 am

Horizon Room I

Technical Workshop 3

10:30 am – 12:00 noon

Horizon II

ALERT System Testing & Calibration – Part I

Ventura County, Riverside County, AUG Staff

This AUG-sponsored workshop will cover the basics of testing and calibrating ALERT system equipment, including: rain gauge calibration, radio & antenna testing, transmitter operation and testing, battery and solar panel evaluation, stream sensor calibration & testing, and more.

Technical Workshop 4

10:30 am – 12:00 noon

Plaza A-B

WaterLog XL Data Logger Programming

Gary Baker, Design Analysis

Design Analysis will provide training on how to program the Waterlog XL data logger. This will include training for sensors, GOES & ALERT radios, and telemetry options using the XL.

Full Lunch Served

12:00 pm – 1:30 pm

Plaza C-D

Chicken Teriyaki – with salad, rolls, veggie, fried rice, ice tea & coffee

ALERT Users Group
23rd Flood Warning Systems
Training Conference and Exposition
May 4-7, 2010

Tuesday: May 4, 2010

Conference Workshops and Training Sessions (continued)

Technical Workshop 5

1:30 pm – 3:00 pm

Horizon II

Developing and Sustaining an Effective Monitoring Program

OneRain, Inc.

OneRain will host a discussion of Best Management Practices among managers of real-time hydrologic monitoring systems. This is a moderated group discussion, with participants sharing their own unique program expertise. The purpose of the session is to exchange ideas from a management perspective regarding the practices that create outstanding and cost effective hydrologic monitoring programs.

Technical Workshop 6

1:30 pm – 3:00 pm

Plaza A-B

NEW Model 3306 ALERT Data Transmitter

Tom Ogden, High Sierra Electronics

This training is designed for all levels of ALERT users. Participants will learn about sensor connections including SDI-12, Model 3306 programming characteristics using HSE's Graphical User Interface, 3306 functionality (memory/file storage, data logging, two-way interrogation), and communication options.

Afternoon Break

3:00 pm - 3:30 pm

Horizon Room I

Technical Workshop 7

3:30 pm – 5:00 pm

Horizon II

Flood Monitoring using Radar Level Sensor Technology

Patrick A. Sanders, Hach Hydromet - Hydrolab & OTT Products

During high water flood events, water level sensors that are in contact with the water run the risk of being damaged, moved, or otherwise impaired. Radar level sensor technology offers a complete non-contact solution for water level monitoring that by design, offers higher probability of long-term data reliability and deployment lifetime. Radar level sensors can be easily integrated into existing ALERT systems through standard 4-20mA and SDI-12 outputs. Application examples help to illustrate how this technology can be implemented for high quality and secure real-time water level data.

Technical Workshop 8

3:30 pm – 5:00 pm

Plaza A-B

Using CSI to Create Robust Flood Warning Systems

Sam Utley, Campbell Scientific

This interactive session will cover Campbell Scientific (CSI) hardware and software used for the creation of robust flood warning systems. Topics and demonstrations will include: measurement, ALERT telemetry, two-way data acquisition and control, redundant/parallel systems, and internet communications using CSI stations.

Dinner:

6:00 pm – 7:30 pm

Plaza C-D

Mexican Buffet - salads, enchiladas, tacos, chicken, rice

Hospitality Suite Open

7:00 pm – 11:00 pm

Room 342

ALERT Users Group
23rd Flood Warning Systems
Training Conference and Exposition
May 4-7, 2010

Wednesday: May 5, 2010
Conference Sessions Begin

Continental Breakfast

7:00 am – 8:30 am

Served in the Exhibitor's Room **Horizon I**

Welcome Address

8:30 am – 8:45 am

George Wilkins, President, ALERT Users Group **Horizon II**

Keynote Address:

8:45 am – 9:15 am

National Weather Service High-Impact Decision Support
Mark Tew, Deputy Regional Director, National Weather Service

Keynote Address:

9:15 am – 10:00 am

The National Hydrologic Warning Council
Kevin Stewart, President, NHWC

Morning Break:

10:00 am – 10:30 am

Horizon I

Session One:

10:30 am – 11:00 am

Successful Flood Warning Partnerships and Initiatives **Horizon II**

NWS Tools for Monitoring Rainfall and Flash Flood Forecasting

Joe Dandrea, National Weather Service, San Diego

11:00 am – 11:30 am

An Internet Based ALERT Systems Management and Licensing Repository for California and Nevada

Andy Morin, California-Nevada River Forecast Center

11:30 am – 12:00 noon

The Poomacha Early Warning System for Fire-Impacted Tribal Lands

George Wilkins, Pacific REMS, San Diego

Lunch:

12:00 noon – 1:30 pm

Plaza C-D

BBQ Buffet - salads, pork ribs, chicken, beans

Session Two:

1:30 pm – 2:00 pm

Flood Warning Systems – Data Collection and Web Page Display **Horizon II**

Real-time Web Enabled DCP Deployment and Integration

LySanias Broyles, Rock Island District USACE

2:00 pm – 2:30 pm

Google Maps and Hydrologic Data

Chad Kudym, GISP, GIS Workshop, Inc.

2:30 pm – 3:00 pm

Using the Latest Web Technology to Display ALERT Data to Enhance Decision Aides

Scott Holder, Ventura County Watershed Protection District

3:00 pm – 3:30 pm

Reliable, Time-Stamped ALERT Data the IP Way

Glenn Hetchler, OneRain Inc.,

ALERT Users Group
23rd Flood Warning Systems
Training Conference and Exposition
May 4-7, 2010

Wednesday: May 5, 2010
(Sessions Continued)

Afternoon Break:

3:30 pm – 4:00 pm

Horizon I

Exhibitor Introductions

4:00 pm – 5:00 pm

Introductions and New Product Announcements

Horizon II

Exhibitor's Reception

6:00 pm – 8:00 pm

Hors d'oeuvres, Prize Drawings and No-Host Bar

Horizon I

Hospitality Suite Open

8:00 pm – 11:00 pm

Room 342

Thursday: May 6, 2010
Conference Sessions

Continental Breakfast

7:00 am – 8:30 am

Horizon I

Session Three:

8:30 am – 9:00 am

ALERT2 - New standard in radio telemetry and implementation **Horizon II**

Implementation of the ALERT2 Protocol in an Expanding ALERT System
Dan Hurley, City of Overland Park, KS

9:00 am – 9:30 am

Progress in the Implementation of ALERT2

Don Van Wie, Telos Services Inc

9:30 am – 10:00 am

Immediate Benefits Along the ALERT2 Migration Path

R. Chris Roark, Blue Water Design LLC

Morning Break:

10:00 am – 10:30 am

Horizon I

Session Four:

10:30 am – 11:00 am

Flood Warning System Preparedness and System Management **Horizon II**

Arizona Statewide Flood Warning System Optimization Planning Project
Brian Iserman, P.E., CFM, JE Fuller/Hydrology & Geomorphology, Inc.

11:00 am – 11:30 am

The Technician's Guide to Troubleshooting and Isolating RF Interference Problems

Dave Gunderson, Operations Support, Boulder Canyon Ops, Bureau of Reclamation

11:30 am – 12:00 pm

Development of flood warning plans and operating procedures along Lena Gulch using a GIS-based Flood Hazard Inventory Tool (FHIT)

Markus L. Ritsch, P.E., Water and Earth Technologies, Inc.

ALERT Users Group
23rd Flood Warning Systems
Training Conference and Exposition
May 4-7, 2010

Thursday: May 6, 2010
(Sessions Continued)

Session Five

Flood Monitoring and Pre-Storm Preparation **Plaza A-B**

10:30 am – 12:00 am

ALERT System Testing and Calibration – Part II
Ventura County, Riverside County, AUG Staff

This AUG-sponsored workshop will cover some of the more challenging situations that may be encountered when operating and maintaining a real-time flood warning system. This question & answer panel discussion will use equipment demonstrations and visual graphics to discuss and explain real-world solutions to difficult monitoring problems.

Lunch:

Plaza C-D

12:00 noon – 1:30 pm

Breast of Chicken Dijon – with salad, rolls, veggie, starch & coffee/tea

Session Six:

Designing Flood Warning System for Specific Needs **Horizon II**

1:30 pm – 2:00 pm

Hydrological Data Collection, Raising the Bar
Dave Gunderson, Operations Support, Boulder Canyon Ops, Bureau of Reclamation

2:00 pm – 2:30 pm

Developing an Easy Access User Interface for San Bernardino County's Public Web Server
David Leader, P.E, HydroLynx Systems, Inc

2:30 pm – 3:00 pm

The NOAA/USGS Debris Flow Early Warning System for Southern California and Application of the System to Support the 2009 Station Burn Area in Los Angeles County
Jayme Laber, NOAA/NWS

Session Seven:

Using Radar and Weather to Enhance Flood Warning Response **Plaza A-B**

1:30 pm – 2:00 pm

Radar Integration with ALERT
Craig McDougall, Clark County (NV) Regional Flood Control District

2:00 pm – 2:30 pm

The Use of Gauge Data, Radar Reflectivity and the Storm Precipitation Analysis System for Deriving Accurate Precipitation in Complex Terrain
Tye W. Parzybok, Metstat, Inc

2:30 pm – 3:00 pm

Update on Fox Weather's MtnRT™ Forecast System for Precipitation
Alan Fox, Fox Weather, LLC

Afternoon Break:

Horizon I

3:00 pm – 3:30 pm

ALERT Users Group
23rd Flood Warning Systems
Training Conference and Exposition
May 4-7, 2010

Thursday: May 6, 2010
(Sessions Continued)

Session Eight **National Hydrologic Warning Council – Annual General Meeting**
3:30 pm – 5:00 pm Kevin Stewart and Glenn Austin, NHWC **Horizon II**

The Annual General Meeting of the National Hydrologic Warning Council is an opportunity to hear about all that has been happening with the NHWC over the past two years. This meeting will feature updates on activities of the NHWC Executive Program Committee, along with inside-the-beltway information from Washington D.C. Important information on the 2011 NHWC Conference in San Diego will also be presented, along with a question & answer discussion with the NHWC President and Executive Director. If you have a desire to find out where the NHWC is heading, don't miss this session.

Banquet Dinner: ***ALERT Users Group Awards Banquet*** **Plaza C-D**
6:00 pm – 9:30 pm No Host Cocktails begin at 6:00 pm
Banquet Dinner served at 7:00 pm

Hospitality Suite Open **Room 342**
9:30 pm – 11:00 pm

Friday: May 7, 2010
Single Conference Session

Full Breakfast Buffet: **Plaza C-D**
7:00 am – 8:30 am

Session Nine: **Fire & Flood: The Storms of 2007-2010** **Horizon II**
8:30 am – 10:00 am ***ALERT Agency Round Table Discussion: Storm Warning***
Successes, Challenges and Lessons Learned

A round-table discussion of the difficult challenges that must be overcome in order to effectively monitor for hydrologic hazards in areas that have been recently burned by wildfires – both in California and also in other parts of the nation. This session will include first-hand accounts and photographic documentation.

Morning Break: **Horizon Foyer**
10:00 am – 10:30 am

Session Ten: **ALERT Users Group – The Next 20 Years** **Horizon II**
10:30 am – 12:00 noon ***Business and Planning Meeting of the ALERT Users Group***

12:00 noon **Conference Adjournment**