Military Applications for Emerging Water Use Technologies

Enhancing Water Access, Conservation, & Reuse Through Emerging Technologies

Workshop
November 12-14, 2008
Urbana, IL

Keynote Speaker:

BG Jeffrey Talley
Commander, 926th Engineer Brigade
4th Infantry Division, Multi-National Division, Baghdad, Iraq

LIVE VIA VIDEOTELECONFERENCE

Sponsors:

U.S. Army Corps of Engineers, CASI
University of Illinois WaterCAMPWS
SERDP - ESTCP
Army Research Office

website & Registration: www.conferences.uiuc.edu/campws

Sustain the Mission, Secure the Future

To ensure sustainable water use and wise stewardship of valuable natural resources, the U.S. military seeks to enhance water access, conservation, and reuse through the proactive implementation of emerging technologies. This workshop is intended to help identify emerging science and technology solutions that can potentially be used to help secure the military's future water supplies. It also will identify basic and applied science, testing, and demonstration investments that may be necessary to bring emerging solutions into military operations for forward, mobile, and fixed facilities.

The workshop is sponsored by the U.S. Army Engineer Research and Development Center (ERDC), Center for the Advancement of Sustainability Innovations (CASI); the University of Illinois (UIUC) Center of Advanced Materials for the Purification of Water with Systsems (WaterCAMPWS - a National Science Foundation Science and Technology Center); Strategic Environmental Research and Development Program (SERDP); Environmental Security Technology Certification Program (ESTCP); and the Army Research Office (ARO), Environmental Science Division.

REGISTRATION:

www.conferences.uiuc.edu/campws

Accommodations

Holiday Inn Hotel & Conference Center
1001 Killarney Street
Urbana, IL 61802
Reservations: 217-328-7900

The hotel is holding a block of sleeping rooms for November 12-13 at a rate of $80 single/double occupancy plus tax. Be sure to mention that you are with the Water Reuse Workshop to obtain the special room rates. The room block is reserved until October 15, 2008. Reservations requested after this date will be made on a rate and space available basis.

Confirmed Presenters

Keynote: **BG Jeffrey Talley**, Commander, 426th EN BDE, 4th ID, Multi-National Division, Baghdad (VTC)
Mark Shannon, Director, Water CAMPWS, UIUC
Rob Renner, Executive Director, Awwa Research Foundation
Jeff Mosher, Executive Director, National Water Research Institute
Mike Hightower, Distinguished Member - Technical Staff, Sandia National Laboratories
Others TBA

Planning Committee

William D. Goran, ERDC-CERL, Director, CASI, william.d.goran@us.army.mil, 217-373-6735
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Richard Scholze, ERDC-CERL, richard.j.scholze@us.army.mil, 217-398-5590

Contact any of the above for questions about the workshop

AGENDA (AS OF OCT 8)

Wednesday, November 12, 2008

2:00 – 2:15 PM	Welcome and Opening Remarks
2:15 – 2:40 PM	Emerging Issues in the Global Water Arena
2:40 – 3:05 PM	White Paper Presentation – Challenges and Water Technology Objectives at Fixed Facilities
3:05 – 3:30 PM	White Paper Presentation – Challenges and Water Technology Objectives for Forward Operations
3:30 – 3:45 PM	Break
3:45– 4:10 PM	Water Technology Research at AwwaRF
4:10 – 4:35 PM	Water Technology Research at the National Water Research Institute
4:35 – 5:00 PM	Water Technology Research at Sandia National Laboratories
5:00 – 5:25 PM	Water Technology Research at WaterCAMPWS
5:30 PM	Adjourn for Dinner

Thursday, November 13, 2008

8:00 - 8:15 AM	Morning Welcome and Objectives for Breakout Sessions
8:15 – 11:00 AM	(Break 10:00 -10:15 AM) Breakout Session – Technology Needs for Enhancing Water Supply from Traditional and Alternative Sources (Facilitators)
11:00 – 11:30 AM	Shuttle to University Campus
11:30 AM – 12:30 PM	Lunch and Keynote Presentation by BG Jeff Talley (Live VTC)
2:30 PM – 2:15 PM	Facility tours A – Ven Te Chow Hydrosystems Laboratory B – WaterCAMPWS / Civil and Environmental Engineering Department Virology Laboratories
2:15 – 2:45 PM	Break and Return to Hotel
2:45 – 5:30 PM	(Break 4:15 – 4:30 PM) Breakout Session – Technology Needs for Facility-Wide Sustainable Water Management (Facilitators)
5:30 PM	Adjourn for Dinner

Friday, November 14, 2008

8:00 – 11:45 AM	(Break 10:00 – 10:15 AM) Breakout Session – Technology Needs for Forward Facilities and Unique Environments (Facilitators)
10:45 – 11:45 AM	Report-out From Breakout Sessions
11:45 – 12:00 Noon	Closing Remarks and Next Steps
12:00 Noon	General Meeting Adjourn
12:00 Noon – 3:00 PM	Volunteer Report Authors' Meeting

Emerging technologies can help ensure sustainable water resources for the U.S. military

Register Today! Also available:

Pre-Conference White papers (to be emailed to registrants prior to workshop)

- Challenges and Water Technology Objectives at Fixed facilities (Richard Scholze)
- Challenges and Water Technology Objectives for Forward Operations (Gary Gerdes)
- Water Technology Research Landscape – Civilian Agencies, Academics, and Trade Organizations (Richard Sustich)

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The waterCAMPWS Center of Advanced Materials for the Purification of Water with Systems

CASI Center for the Advancement of Sustainability Innovations

US ARMY RDECOM

DoD EPA DOE SERDP Strategic Environmental Research and Development Program

ESTCP

ARL