

# P R O G R A M

## U.S. RECREATIONAL WATER QUALITY CRITERIA: A VISION FOR THE FUTURE

Ala Moana Hotel • Honolulu, Hawaii • March 11 – 13, 2013



### DAY ONE Monday, March 11, 2013

- 7:30 am – 8:30 am Registration / Continental Breakfast
- 8:30 am – 8:45 am **Introduction:** Marek Kirs, Conference Chair  
Chittaranjan Ray, Director, Water Resources Research Center
- 8:45 am – 9:00 am **Welcome:** Vice Chancellor for Research, University of Hawaii

### TOPIC Scientific Assessment of Theory and Application of Recreational Water Quality Standards to Regions in the U.S.

- 9:00 am – 9:30 am Plenary Speaker: **Roger S. Fujioka**, University of Hawaii
- 9:30 am – 10:00 am *Monitoring data and rationales used by Hawaii DOH to assess recreational water quality*  
**Watson Okubo**, Hawaii Dept of Health (DOH)
- 10:00 am – 10:30 am Break**
- 10:30 am – 11:00 am *Monitoring data and rationales used by CCH to assess recreational water quality*  
**Kenneth Tenno**, City & County of Honolulu (CCH)
- 11:00 am – 11:30 am *Monitoring data and rationales used to assess recreational water quality in Great Lakes region*  
**Muruleedhara N. Byappanahalli**, USGS Great Lakes Science Center
- 11:30 am – 1:00 pm Lunch (Hawaii: A sense of place, culture and history)**  
**Kamana Beamer**, Hawaiian Studies, University of Hawaii
- 1:00 pm – 2:00 pm Posters on view
- 2:00 pm – 2:30 pm *Monitoring data and rationales used to assess recreational water quality in California region*  
**Alexandria B. Boehm**, Stanford University
- 2:30 pm – 3:00 pm *Monitoring data and rationales used to assess recreational water quality in Florida region*  
**Helena Solo-Gabriele**, University of Miami
- 3:00 pm – 3:15 pm Break**
- 3:15 pm – 4:30 pm Expert Panel: *Summary of the day's discussions, conclusions, and recommendations. A vision for the future.*

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### DAY TWO Tuesday, March 12, 2013

7:30 am – 8:30 am Registration / Continental Breakfast

#### TOPIC **Scientific Assessment of USEPA Proposed Tools for States and Tribes to Develop Alternative RWQC on a Site-Specific Basis**

8:30 am – 9:00 am Plenary Speaker: **Alexandria B. Boehm**, Stanford University  
**John E. Ravenscroft**, USEPA

9:00 am – 9:30 am *Progress and issues in use of epidemiological studies to assess recreational water quality*  
**John M. Colford Jr.**, University of California Berkeley

9:30 am – 10:00 am *Progress and issues in use of Microbial Source Tracking (MST) studies to assess recreational water quality*  
**Valerie J. Harwood**, University of South Florida

#### **10:00 am – 10:30 am Break**

10:30 am – 11:00 am *Progress and issues in use of Quantitative Microbial Risk Assessment (QMRA) studies to assess recreational water quality*  
**Joan B. Rose**, Michigan State University

11:00 am – 11:30 am *Progress and issues in use of forecasting beach water quality studies to assess recreational water quality*  
**Richard L. Whitman**, USGS Great Lakes Science Center

#### **11:30 am – 1:00 pm Lunch (Hawaii: A sense of place, culture and history)** **Kamana Beamer**, Hawaiian Studies, University of Hawaii

1:00 pm – 2:00 pm Posters on view

2:00 pm – 2:30 pm *Progress and issues in use of molecular methods to assess recreational water quality*  
**Michael J. Sadowsky**, University of Minnesota

2:30 pm – 3:00 pm *Progress and issues in use of Quantitative Polymerase Chain Reaction (QPCR) studies for enterococci to assess recreational water quality*  
**John F. Griffith**, Southern California Coastal Water Research Project

#### **3:00 pm – 3:15 pm Break**

3:15 pm – 4:30 pm Expert Panel: *Summary of the day's discussions, conclusions, and recommendations. A vision for the future.*

#### **5:00 pm – 6:00 pm Poster Reception (no-host cocktails)**

Please take the time to view the posters. The poster discussion will follow at 6:00 pm.

6:00 pm – 8:00 pm Discussion for all posters

1. *Theory and application of recreational water quality standards to regions of the U.S.*
2. *USEPA proposed tools for states and tribes to develop alternative RWQC on a site-specific basis*
3. *Experimental methods and approaches to improve or revise future RWQC*

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## U.S. RECREATIONAL WATER QUALITY CRITERIA: A VISION FOR THE FUTURE

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### DAY THREE Wednesday, March 13, 2013

7:30 am – 8:30 am Registration / Continental Breakfast

#### TOPIC **Scientific Assessment of Experimental Methods and Approaches to Improve or Revise Future RWQC**

- 8:30 am – 9:00 am Plenary Speaker: **Muruleedhara N. Byappanahalli**, USGS Great Lakes Science Center
- 9:00 am – 9:30 am *Progress and issues in use of C. perfringens studies to assess recreational water quality*  
**Daniel Y.C. Fung**, Kansas State University
- 9:30 am – 10:00 am *Progress and issues in use of species-specific Bacteriodes studies to assess recreational water quality*  
**Katherine G. Field**, Oregon State University
- 10:00 am – 10:30 am Break**
- 10:30 am – 11:00 am *Progress and issues in use of species specific phage studies to assess recreational water quality*  
**Gary A. Toranzos**, University of Puerto Rico
- 11:00 am – 11:30 am *Progress and issues in use of human pathogens (viruses) studies to assess recreational water quality*  
**Charles P. Gerba**, University of Arizona
- 11:30 am – 1:00 pm Lunch (Hawaii: A sense of place, culture and history)**  
**Kamana Beamer**, Hawaiian Studies, University of Hawaii
- 1:00 pm – 2:00 pm Posters on view
- 2:00 pm – 2:30 pm *Progress and issues in use of microbial community (metagenomic) studies to assess recreational water quality*  
**Sandra L. McLellan**, University of Wisconsin
- 2:30 pm – 3:00 pm *Progress and issues in developing an ideal monitoring method to assess recreational water quality*  
**Mitchell L. Sogin**, Marine Biological Laboratory in Woods Hole, Massachusetts
- 3:00 pm – 3:15 pm Break**
- 3:15 pm – 4:30 pm Expert Panel: *Summary of the day's discussions, conclusions, and recommendations. A vision for the future.*