



Please join the **International Ultraviolet Association (IUVA)** and **International Ozone Association (IOA)** for this exclusive 1-Day Conference on UV, Ozone and AOP Advancements, as a part of Singapore International Water Week (SIWW).



Participating in SIWW 2010? You will receive a 10% discount off of your SIWW registration with receipt of registration for this event!

Attendee registration fees include Refreshment Breaks and Lunch.

New IUVA Members that join to attend this event receive a 50% discount on 2010 IUVA membership.

All attendees of this event are entitled to a 50% discount on IUVA educational materials when ordered before July 30, 2010.



28 June, 2010 - Conference UV, Ozone & Advanced Oxidation Technologies and Advancements

- 8:00** Registration Desk Opens
- SESSION 1 CHAIR:** RongJing Xie, PhD, Center for Advanced Water Technologies
- 9:00** Welcome Remarks - Paul Overbeck, Executive Director, IUVA
- Harry Seah, Director, TWQO / PUB
- 9:15** UV Drinking Water Regulations: European Perspectives
- Professor Dr. Regina Sommer, Medical University of Vienna
- 9:50** The Role of Ozone for Water Sustainability
- Professor Shane Snyder, PhD Southern Nevada Water Authority
- 10:25** **REFRESHMENT BREAK**
- SESSION 2 CHAIR:** Christopher R. Schulz, PE, BCEE, CDM
- 10:55** Lessons Learned from 10 years of Municipal UV Water Reuse Treatment in the US
- Paul Buijs, Berson UV-Techniek
- 11:20** Challenges of the Design of a 770 MGD Ozonation System in Texas
- Shekar Venkataraman, Black & Veatch
- 11:45** Vancouver Ozone/UV Drinking Water Treatment Process
- Christopher R. Schulz, PE, BCEE, CDM
- 12:10** UV Sensitivity of Microorganisms: Implications for Safe Water Disinfection - Professor Dr. Regina Sommer, Medical University of Vienna
- 12:35** **LUNCH**
- SESSION 3 CHAIR:** Professor Wenjun Liu, PhD, Tsinghua University
- 13:35** Ultraviolet Disinfection Effectively Controls Oilfield Sulfate Reducing Bacteria
- Lindsey Gloe, Haliburton
- 14:00** Influence of Nitrate on UV-degradation of NDMA
- Hiroshi Sakai, University of Tokyo
- 14:25** Effects on the Hydroxyl Radical/Ozone Exposure Ratio
- Ee Ling Yong, National University of Singapore
- 14:50** Preozonation effects on the reduction of Membrane Biofouling
- Dr. Benjamin Stanford, Hazen and Sawyer
- 15:15** **REFRESHMENT BREAK**
- SESSION 4 Co-CHAIRS:** Professor Teik Thye Lim, NTU/Singapore
Dr. Hiroshi Sakai, The University of Tokyo
- 15:45** Advanced Oxidation Processes (AOP) - Jenny Wang, ITT
- 16:10** The Synergistic Effect of AOP in the Treatment of UV, O3 and H2O2
- Nobuhito Yasui, Ritusmeikan University
- 16:35** Improvement of Water Quality Using UF, RO and HiPOx in a Water Reclamation Process
- Nagahisa Sato, Teijin Limited
- 17:00** AOP Coupling Coagulation Pretreatment for Synergistic Organics Removal in RO Brine Treatment
- Zhou Tao, Nanyang Technological University
- 17:25** Full-Scale UV/H2O2 for Treatment of Micropollutants in Drinking Water and Water Reuse Applications
- Ryan Peterson, Trojan Technologies
- 17:50** Adjourn

