

Division of Environmental Chemistry  
**MEETING-AT-A-GLANCE**  
249<sup>th</sup> ACS National Meeting, Denver, CO  
*Program Chair: Souhail Al-Abed*

Detailed online program and interactive itinerary are available at [www.acs.org/Denver2015](http://www.acs.org/Denver2015).

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## ENVR NON-TECHNICAL EVENTS

**Program Planning Committee Meeting, Sunday, March 22, 2015, 2:00-3:00 pm (Colorado Convention Center, Room 207)**

Contact: Dion Dionysiou, [dionysios.d.dionysiou@uc.edu](mailto:dionysios.d.dionysiou@uc.edu), or Souhail Al-Abed, [al-abad.souhail@epa.gov](mailto:al-abad.souhail@epa.gov)

**Long Range Planning Meeting, Sunday, March 22, 2015, 3:00-5:00 pm (Colorado Convention Center, Room 605)**

Contact: George Cobb, [george\\_cobb@baylor.edu](mailto:george_cobb@baylor.edu)

**Executive Committee Meeting, Sunday, March 22, 2015, 7:00-10:00 pm (Colorado Convention Center, Room 603)**

Contact: Tracy Williamson, [tcwtcw33@aol.com](mailto:tcwtcw33@aol.com)

**Social & Reception, Tuesday, March 24, 2015, 6:00-7:30 pm, Wynkoop Brewing Company, 1634 18<sup>th</sup> St., Denver, Colorado**

**Tickets \$20**, Available with meeting registration

Contact: Peney Patton, [division@acsenvr.com](mailto:division@acsenvr.com)

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## ENVR TECHNICAL PROGRAM

**[All ENVR Technical Sessions in Colorado Convention Center]**

### AM Sunday, March 22, 2015

**Assessing Toxicity of Environmental Contaminants (Room 705)**

Xiaoping Pan (Organizer)|Xiaoping Pan (Presider)|Sophie Uchimiya (Organizer)|Jiafan Wang (Organizer/Presider)|Baohong Zhang (Organizer); Cosponsored by CEI, AGRO, MPPG

**Biogenically Enhanced Recovery and Bioremediation in Fossil Fuel Reservoirs (Room 711)**

Donna Drogos (Organizer/Presider)|Michael Urynowicz (Organizer/Presider); Cosponsored by MPPG

**Chemical Processes at Environmental Interfaces: Chemistry and Imaging at Air/Liquid(Solid) Interfaces of Atmospheric Systems (Room 707)**

Hind Al - Abadleh (Organizer/Presider)|Hashim Ali (Organizer)|Ryan Hinrichs (Organizer/Presider)|Nadine Kabengi (Organizer); Cosponsored by COLL; Financially supported by Georgia State University (Department of Geoscience and Chemistry), Wilfrid Laurier University (Office of the VP-A and Dean of Faculty of Science)

**Environmental Reactivity of Organic Micropollutants and Their Transformation Products in Receiving Waters (Room 709)**

William Arnold (Organizer/Presider)|Yu-Ping Chin (Organizer/Presider)|Kristine Wammer (Organizer/Presider); Cosponsored by MPPG, AGRO

**Green Chemistry and the Environment (Room 703)**

Alina Balu (Presider/Organizer)|Rafael Luque (Presider/Organizer)|Sherine Obare (Organizer); Cosponsored by CEI, MPPG

## PM Sunday, March 22, 2015

### Assessing Toxicity of Environmental Contaminants (Room 705)

Xiaoping Pan (Organizer/Presider)|Sophie Uchimiya (Organizer)|Jiafan Wang (Presider/Organizer)|Baohong Zhang (Organizer); Cosponsored by CEI, AGRO, MPPG

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### Green Chemistry and the Environment (Room 703)

Alina Balu (Organizer/Presider)|Rafael Luque (Organizer)|Sherine Obare (Organizer/Presider); Cosponsored by CEI, MPPG

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## AM Monday, March 23, 2015

### Chemical Processes at Environmental Interfaces: Chemistry at Aqueous/Mineral(Solid) Interfaces (Room 707)

Hind Al - Abadleh (Organizer)|Hashim Ali (Organizer)|Ryan Hinrichs (Organizer)|Nadine Kabengi (Organizer/Presider); Cosponsored by COLL; Financially supported by Georgia State University (Department of Geoscience and Chemistry), Wilfrid Laurier University (Office of the VP-A and Dean of Faculty of Science)

### Environmental Chemistry and Health Impacts of Fine and Ultrafine Particulate Matter (Room 705)

Slawo Lomnicki (Organizer/Presider) ; Cosponsored by MPPG

### Green Chemistry and the Environment (Room 703)

Alina Balu (Organizer)|Rafael Luque (Organizer/Presider)|Sherine Obare (Organizer/Presider); Cosponsored by CEI, MPPG

### Hydraulic Fracturing Impacts on Water, Soil and Air Quality -- Groundwater Impacts (Room 709)

Jens Blotvogel (Organizer/Presider)|Thomas Borch (Organizer/Presider)|Rob Jackson (Organizer)|Radisav Vidic (Organizer); Cosponsored by MPPG

### Modern Analytical Approaches for the Characterization of Natural Organic Matter in the Environment -- Use of Mass Spectrometry and Other Methods to Characterize NOM in Diverse Environments (Room 711)

George Aiken (Organizer)|Kaelin Cawley (Organizer)|Julie Korak (Organizer/Presider)|Fernando Rosario (Organizer/Presider); Cosponsored by ANYL, MPPG

## PM Monday, March 23, 2015

### Chemistry in the Marine Boundary Layer (Room 705)

Barbara DAnna (Organizer/Presider)|Jamie Donaldson (Organizer); Cosponsored by MPPG

### Dispersion of Nanoparticles and its Implication for Interfacial, Biological and Environmental Processes: Interface and Transport (Room 703)

Bo Pan (Organizer/Presider)|Navid Saleh (Organizer)|Peter Vikesland (Organizer/Presider)|Baoshan Xing (Organizer)

**Hydraulic Fracturing Impacts on Water, Soil and Air Quality -- Surface Water Impacts/Fluid Chemistry (Room 711)**

Jens Blotevogel (Organizer)|Thomas Borch (Organizer)|Rob Jackson (Presider/organizer)|Radisav Vidic (PresiderOrganizer); Cosponsored by MPPG

**Modern Analytical Approaches for the Characterization of Natural Organic Matter in the Environment -- Extraction Techniques to Isolate NOM and Characterization of Pyrogenic Organic Matter (Biomass Burning) (Room 703)**

George Aiken (Organizer/Presider)|Kaelin Cawley (Organizer/Presider)|Julie Korak (Organizer)|Fernando Rosario (Organizer); Cosponsored by ANYL, MPPG

**Solutions to Metals Contamination of Water (Room 707)**

Satinder Ahuja (Organizer/Presider)|John Finley (Preside/Organizer)|James Seiber (Presider/Organizer); Cosponsored by MPPG

## **EVE Monday, March 23, 2015**

**Sci-Mix Poster Session (Hall C/D)**

Souhail Al-Abed (Organizer)

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## **AM Tuesday, March 24, 2015**

**Advances in Analytical Chemistry for Discovering Emerging Contaminants in the Natural Environment (Room 705)**

David Alvarez (Organizer)|Tammy Jones-Lepp (Organizer/Presider); Cosponsored by ANYL, AGRO, MPPG

**Dispersion of Nanoparticles and its Implication for Interfacial, Biological and Environmental Processes: Sorption and Dispersion (Room 703)**

Robert Cook (Presider)|Bo Pan (Organizer)|Navid Saleh (Organizer)|Peter Vikesland (Organizer)|Baoshan Xing (Organizer/Presider)

**Hydraulic Fracturing Impacts on Water, Soil and Air Quality -- Air & Water Quality (Room 709)**

Jens Blotevogel (Organizer/Presider)|Thomas Borch (Organizer/Presider)|Rob Jackson (Organizer)|Radisav Vidic (Organizer); Cosponsored by MPPG

**Modern Analytical Approaches for the Characterization of Natural Organic Matter in the Environment -- NMR and Photochemical Analysis of NOM (Room 711)**

George Aiken (Organizer/Presider)|Kaelin Cawley (Organizer/Presider)|Julie Korak (Organizer)|Fernando Rosario (Organizer); Cosponsored by ANYL, MPPG

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**Dispersion of Nanoparticles and its Implication for Interfacial, Biological and Environmental Processes: Benefit and Risk (Room 703)**

Bo Pan (Organizer)|Navid Saleh (Presider/Organizer)|Peter Vikesland (Organizer)|Baoshan Xing (Organizer)|Zhiyong Zhang (Presider)

**Hydraulic Fracturing Impacts on Water, Soil and Air Quality -- Treatment and Regulations (Room 709)**

Jens Blotevogel (Organizer)|Thomas Borch (Organizer)|Rob Jackson (Organizer/Presider)|Radisav Vidic (Organizer)|Radisav Vidic (Presider); Cosponsored by MPPG

**Solutions to Metals Contamination of Water(Room 707)**

Satinder Ahuja (Organizer/Presider)|John Finley (Organizer/Presider)|James Seiber (Organizer/Presider); Cosponsored by MPPG

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## AM Wednesday, March 25, 2015

**Environmental Implications of Nano: Release from Consumer Products and Advances in Nanometrology (Room 711)**

Christopher Higgins (Organizer)|James Ranville (Organizer)|Robert Reed (Presider/Organizer)

**Microalgae: A Renewable Energy Source and a Sustainable Solution for the Environment (Room 707)**

Brian Chaplin (Organizer/Presider)|Danmeng Shuai (Organizer)|Wen Zhang (Organizer/Presider); Cosponsored by AGRO

**Surface Physicochemical Processes in Engineered and Natural Systems (Room 705)**

Jose Cerrato (Presider/Organizer)|Haizhou Liu (Presider/Organizer)|Huichun Zhang (Organizer); Cosponsored by AGRO, MPPG

**Trace Materials in Air, Soil, and Water (Room 709)**

Mark Benvenuto (Organizer/Presider)|Kendra Evans (Organizer/Presider)|Alexa Rihana (Organizer); Cosponsored by MPPG

**Water Sustainability in Oil and Gas Exploration: Treatment Issues (Room 703)**

Tzahi Cath (Organizer/Presider)|Karl Linden (Organizer/Presider); Cosponsored by CEI, MPPG

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**Water Sustainability in Oil and Gas Exploration: Treatment Issues (Room 703)**

Tzahi Cath (Organizer/Presider)|Karl Linden (Organizer/Presider); Cosponsored by CEI, MPPG

## EVE Wednesday, March 25, 2015

**ENVR Poster Sessions (Hall C)**

Souhail Al-Abed (Organizer)

## AM Thursday, March 26, 2015

### **Bioavailability and Biogeochemical Interactions Affecting Remediation of Hazardous Substances in the Environment (Room 703)**

Marc Benedetti (Organizer)| Heather Henry (Organizer/Presider)| James Ranville (Presider/Organizer)

### **Environmental Chemistry: Pedagogical Models and Practices (Room 707)**

Katherine Lanigan (Organizer/Presider)| Elizabeth Roberts-Kirchhoff (Organizer/Presider); Cosponsored by MPPG, CHED, YCC

### **Surface Physicochemical Processes in Engineered and Natural Systems (Room 705)**

Jose Cerrato (Organizer/Presider)| Haizhou Liu (Organizer/Presider)| Huichun Zhang (Organizer);  
Cosponsored by MPPG, AGRO

### **Water Recycling in Domestic Use, Energy Extraction, and Agricultural Use (Room 709)**

Isabel Escobar (Organizer/presider)| Jamie Hestekin (Organizer/Presider); Cosponsored by AGRO, MPPG

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## Cosponsored Symposia

### **COLL: Elucidation of Mechanisms & Kinetics on Surfaces (Colorado H - Marriott City Center Denver, Wed, Mar 25)**

Organizers: Aditya Savara, Presiders: Aditya Savara; Cosponsored by: CATL and ENVR

### **CHED: Undergraduate Research Posters - Environmental Chemistry (Hall C - Colorado Convention Center, Mon, Mar 23)**

Organizers: Nicole Di Fabio, Nicole Di Fabio; Cosponsored by: ENVR and SOCED

### **CHED: GSSPC: Designed by Nature, Developed by Science: Interdisciplinary Perspectives on Biocatalysis (Silver - Sheraton Denver Downtown Hotel, Tue, Mar 24)**

Organizers: Karen Antonio, Corey Ayres, Kasey Clear; Presiders: Karen Antonio, Corey Ayres; Cosponsored by: ANYL, BIOL, CATL, ENVR, I&EC, MEDI, ORGN and PRES