

# 248<sup>th</sup> ACS National Meeting & Exposition

San Francisco, CA- August 10-14, 2014

Division of Environmental Chemistry

Dionysios D. Dionysiou, Program Chair

<b>ENVR: Division of Environmental Chemistry: Non-Technical Events</b>	<b>S</b>	<b>M</b>	<b>T</b>	<b>W</b>	<b>T</b>
Program Planning Committee Meeting – Pacific Rm D, San Francisco Marriott Marquis	2:00-3:00 pm				
Long Range Planning Committee Meeting - Pacific Rm D, San Francisco Marriott Marquis	3:00-5:00 pm				
Business Meeting – Pacific Rm J, San Francisco Marriott Marquis <i>Open to all ENVR Members, Refreshments served</i>	7:00-7:30 pm				
Executive Committee Meeting - Pacific Rm J, San Francisco Marriott Marquis	7:30-10:00 pm				
Centennial Coffee Break – Golden Gate Foyer, San Francisco Marriott Marquis <i>ENVR session attendees welcome</i>		9:45-10:30 am			
Centennial Reception – McLoughlin Gallery, 49 Geary St., #200 Financial support provided by Agilent Technologies, ES&T Journal, and ES&T Letters; catered by Willowstone Catering - <i>Ticketed Event: \$25 (\$15 student)</i>			6:00-7:30 pm		

## ALL ENVR TECHNICAL SESSIONS HELD IN SAN FRANCISCO MARRIOTT MARQUIS

<b>ENVR: Division of Environmental Chemistry: Technical Sessions</b>	<b>S</b>	<b>M</b>	<b>T</b>	<b>W</b>	<b>T</b>
Toxicology of Environmental Pollutants <i>Organizers: S. Uchimiya, X. Pan, B. Zhang Yerba Buena Salon 12</i>	A			E	
Assessing the Implications of Nanotechnology** <i>Cosponsored by COLL and GEOC Organizers: A. Keller, G. Lowry Foothill E</i>	D	D		E	
Environmental Applications and Implications of Graphene-Based Nanomaterials <i>Organizers: D. Bouchard, M. Hersam, S. Walker, I. Chowdhury Golden Gate C3</i>	D			E	
Great Lakes Restoration Initiative: An Environmental Chemistry Challenge <i>Organizers: D. Dionysiou, J. Pagano Foothill D</i>	D			E	
Occurrence, Formation, Health Effects, and Control of Disinfection By-Products (DBPs)** <i>Financially supported by Water Research Foundation; Cosponsored by CEI; Organizers: P. Westerhoff, T. Karanfil, Y. Xie, W. Mitch Golden Gate C1</i>	D	D	D	DE	
Pyrogenic Carbonaceous Materials as Adsorbents of Inorganic and Organic Compounds: Fundamentals and Applications** <i>Cosponsored by AGRO; Organizers: F. Xiao, J. Pignatello, B.Xing, U. Ghosh Foothill F</i>	D			E	
Reactive Membranes and Surfaces in Water Treatment Applications <i>Organizers: B. Chaplin, D. Jassby, K. Jones, Foothill G1</i>	D			E	
Synergism Between Microbiology and Chemistry for Environmental Sustainability** <i>Cosponsored by CEI; Organizers: R. Goel, S. Mahendra Golden Gate C2</i>	D	A		E	

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Thermodynamics and Kinetics in Treatment Processes, Past, Present, and Future: Symposium in Honor of Professor Chin-Pao Huang <b>Organizers:</b> P. Chiu, Z. Qiang, A. Davis, G. Chen, V. Sharma, R. Doong <b>Club Room</b>	D	D		E	
Environmental Chemistry: 100 Years of Scientific Contribution for a Safer and Sustainable Environment** Financially supported by Agilent Technologies, DAC and MPPG; Cosponsored by CEI, PRES, and SCHB <b>Organizers:</b> S. Al-Abed, D. Dionysiou <b>Golden Gate A</b>		A			
Theoretical and Computational Approaches To Environmental Chemistry <b>Organizers:</b> S. Eustis, <b>Foothill D</b>		A		E	
Engineering Nanomaterials for Energy, Environmental Science and Biomedical Applications <b>Organizers:</b> J. Song, Ji. Mi, <b>Golden Gate C3</b>		D		E	
Occurrence, Fate, and Removal of Pharmaceutical and Personal Care Products and Endocrine Disrupting Chemicals**Cosponsored by CEI; <b>Organizers:</b> A. Hernandez, L. Blaney <b>Foothill F</b>		D	D	E	
Water Challenges and Solutions on the Global Scale** Financially supported by Global Innovation Imperatives; Cosponsored by CEI and MPPG; <b>Organizers:</b> B. Loganathan, D. Dionysiou, H. Taft, J. De Andrade, S. Ahuja, K. Hristovski <b>Foothill G1</b>		D		E	
New Advances in the Chemistry and Application of Advanced Oxidation Processes for Removal of Contaminants of Emerging Concern <b>Organizers:</b> K. Oshea, S. Canonica, D. Dionysiou, D. Minakata, G. Li Puma <b>Golden Gate C2/Golden Gate C3/Club Rm</b>		P	D	DE	D
Science in the Realm of Environmental Policy: Opportunities and Challenges**Cosponsored by MPPG; <b>Organizers:</b> C. Pepper, R. Garant, J. D. Gerlach <b>Foothill D</b>		P			
Sci-Mix <b>Hall D, Moscone Center</b>		E			
Natural Attenuation of Emerging Contaminants in the Urban Water Cycle**Cosponsored by CEI; <b>Organizers:</b> F. Rosario, O. Keen <b>Foothill D</b>			A		
Recent Development of Environmental Chemistry in Asia <b>Organizers:</b> C. Lin, D. Dionysiou, M. Lam, R. Luque, E. Uckun Kiran, E. Mubofu <b>Golden Gate C3</b>			A	E	
Evolving Science and Environmental Impacts of Hydraulic Fracturing** Cosponsored by CEI and PRES; <b>Organizers:</b> T. Barton, <b>Foothill E</b>			D	DE	
Novel Membranes and Membrane Processes for Desalination and Water Treatment**Cosponsored by CEI and POLY; <b>Organizers:</b> V. Tarabara, K. Chen, B. Mi <b>Foothill G1</b>			D	E	
Women in Environmental Science and Engineering** Financially supported by MPPG and DAC; Cosponsored by PROF, SCHB, and WCC; <b>Organizers:</b> A. Gu, C. Lee, E. Carraway, J. Hill, R. Brennan, S. Simonich, S. Richardson, D. Dionysiou, H. Hsu-Kim, J. Goldfarb, I. Escobar <b>Club Room</b>			D	E	
C. Ellen Gonter Environmental Chemistry Award Symposium <b>Organizers:</b> T. Anderson <b>Foothill D</b>			P		
Special Symposium in Honor of Professor Richard L. Valentine <b>Organizers:</b> D. Cwiertny, P. Vikesland, C. Jafvert <b>Golden Gate C3</b>			P	DE	

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Real Time Monitoring of Surface Waters for Nutrient and Water Supply Management <b>Organizers: H. Pang, J. Gibbs, R. Lippincott, T. Marhaba, P. Schorr Foothill F</b>				A	
Chemistry of Atmospheric Nitrogen-Containing Compounds**Cosponsored by <b>PHYS; Organizer: S. Nizkorodov, A. Laskin, S. Brown Foothill D</b>				DE	A
Heterogeneous Catalysis for Environmental and Energy Applications** Cosponsored by <b>CATL; Organizers: M. Castaldi, A. Savara, A. Orlov Club Room, San Francisco</b>				DE	A
Humic Substances and Its Critical Role in Environmental Chemistry: The Past 50 Years, Present Knowledge and Future Research Opportunities <b>Organizers: I. Suffet, J. Pedersen, F. Rosario Foothill G1/Foothill D</b>				DE	D
Analytical Methods for Detecting and Prioritizing Contaminants of Concern <b>Organizers: J. Field, H. Done, R. U. Halden, D. Barcelo, S. Richardson, L. Ferguson, Foothill F/Golden Gate C1/Foothill E</b>				PE	D
California Air Monitoring: From Inception To Current Trends in the New Millennium** <b>Organizers: J. Maclachlan, J. Driskoll Golden Gate A/B</b>				E	
General Posters <b>Golden Gate A/B, SF Marriott Marquis</b>				E	
Green Chemistry and the Environment** Cosponsored by CEI, MPPG and ENFL <b>Organizers: R. Luque, S. Obare Foothill E/Foothill G1</b>				E	D
Monitoring and Evaluating Environmental Exposures <b>Organizers: H. Bean, J. Pleil, J. Hill Golden Gate C2</b>				E	A
<b>Co-sponsored Symposia:</b>					
IUPAC: Agricultural Biotechnology*(AGRO) <b>San Francisco Marriott Marquis</b>		D	D	D	D
IUPAC: Ecosystem and Human Exposure and Risk Assessment*(AGRO) <b>San Francisco Marriott Marquis</b>		D	D	D	D
IUPAC: Emerging Issues and Challenges*(AGRO) <b>San Francisco Marriott Marquis</b>		D	D	D	D
IUPAC: Environmental Fate and Metabolism*(AGRO) <b>San Francisco Marriott Marquis</b>		D	D	D	D
IUPAC: Formulation and Application*(AGRO) <b>San Francisco Marriott Marquis</b>			D	D	
Hot Topics: Communicating Risk*(CEI) <b>Juniper Rm, San Francisco Marriott Marquis</b>	P				
International Collaborations with International Impact: Chemistry for Global Change*(CHED) <b>Moscone Center, South Bldg. Esplanade Ballroom 304</b>			D		
Undergraduate Research Posters*(CHED) <b>Moscone Center, North Bldg. Hall D</b>		P			
Environmental Interfaces in the Atmosphere: From Surface Chemistry To Air Quality, Climate, and Health Effects*(COLL) <b>Moscone Center, North Bldg. Rm 270</b>	DE	D			
Asia-America Chemical Symposium*(IAC) <b>Moscone Center, South Bldg. Esplanade Ballroom 300</b>			D		
A Lifetime of Contributions To Science, Summer Schools and Our NUCL Division Family: Symposium in Honor of Frank Kinard*(NUCL) <b>Pacific I, San Francisco Marriott Marquis</b>		D			

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Environmental Radiochemistry*(NUCL) Pacific H, San Francisco Marriott Marquis			D	D	
Fundamental Processes of Atmospheric Chemistry*(PHYS) Moscone Center, West Bldg. Room 2010	D	D	A	A	
Transport in Polymer Membranes*(POLY) Hilton San Francisco Union Square, Room Golden Gate 8			DE	D	D

**A** = AM; **P** = PM; **D** = AM/PM; **E** = EVE; **AE** = AM/EVE; **DE** = AM/PM/EVE; **PE** = PM/EVE

\*Cosponsored symposium with primary organizer shown in parenthesis; located with primary organizer.