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9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS (ES) U.S. Army Research Office P.O. Box 12211 Research Triangle Park, NC 27709-2211			10. SPONSOR/MONITOR'S ACRONYM(S) ARO		
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13. SUPPLEMENTARY NOTES The views, opinions and/or findings contained in this report are those of the author(s) and should not be construed as an official Department of the Army position, policy or decision, unless so designated by other documentation.					
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15. SUBJECT TERMS					
16. SECURITY CLASSIFICATION OF:		17. LIMITATION OF ABSTRACT		15. NUMBER OF PAGES	19a. NAME OF RESPONSIBLE PERSON
a. REPORT UU	b. ABSTRACT UU	c. THIS PAGE UU	UU		William Arnold
				19b. TELEPHONE NUMBER 612-625-8582	

RPPR Final Report

as of 30-Oct-2018

Agency Code:

Proposal Number: 73016CHCF

Agreement Number: W911NF-18-1-0139

INVESTIGATOR(S):

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Principal: Y

Organization: **Gordon Research Conferences, Inc.**

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DUNS Number: 075712877

EIN: 050300482

Report Date: 31-Dec-2018

Date Received: 30-Oct-2018

Final Report for Period Beginning 01-Jun-2018 and Ending 30-Sep-2018

Title: 2018 Environmental Sciences: Water Gordon Research Conference

Begin Performance Period: 01-Jun-2018

End Performance Period: 30-Sep-2018

Report Term: 0-Other

Submitted By: Nancy Ryan Gray

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Phone: (401) 360-1505

Distribution Statement: 1-Approved for public release; distribution is unlimited.

STEM Degrees:

STEM Participants:

Major Goals: Organizing a Gordon Research Conference involves extensive communication with the research community to identify important issues at the frontiers of the field, and solicit suggestions for speakers and discussion leaders to participate in the conference. The Chair then contacts prospective participants to invite them to talk and discuss the nature of their contributions. The Chair then communicates the topics and aims of the conference through web pages, contact with relevant international professional bodies and email to members of the research community around the world to encourage applications for participation in the conference. The Chair is then responsible for assessing and accepting the applications and fielding a host of questions both concerning the technical content and practical aspects of conference participation.

Accomplishments: The 2018 Gordon Research Conference on Environmental Sciences: Water featured a program of leading researchers whose work strives to improve aquatic resources and protect public health. Traditionally this Gordon Conference has featured the frontiers of water quality research, with an emphasis on contaminant fate and impacts. However, as the field has evolved and matured, water quality scientists and engineers are wondering: How can we be more proactive? How is global change impacting water quality and resources? What is our role in a globalized society?

With these challenges in the environmental aquatic sciences, researchers are required to work at the intersections of traditional disciplines, especially as we strive to enrich our understanding of fundamental processes and develop solutions. For example, the production of food, energy, and material resources for the modern world relies upon new developments in separation technologies, water treatment, and systems engineering to meet the demand. The protection of water resources, particularly in areas vulnerable to global change, requires an understanding of chemical and biological phenomena from molecular to global scales. Exposures to hazardous chemicals can be mitigated by knowledge of human-environment interactions, and recent developments in new technologies could lead to opportunities to reduce exposures and remediate contaminated settings. The 2018 Environmental Science: Water GRC featured a program of thought-provoking research in the areas of sustainable water and material resources, molecular processes in aquatic systems, chemical exposures and health outcomes, and new technologies for water.

Training Opportunities: Speakers, discussion leaders, poster presenters and attendees simultaneously contributed to and benefited from the collective skills and experience shared throughout the conference. The funding provided by was invaluable to the success of the Conference.

Results Dissemination: The final program has been posted on the GRC website.

RPPR Final Report
as of 30-Oct-2018

Honors and Awards: Nothing to Report

Protocol Activity Status:

Technology Transfer: Nothing to Report

PARTICIPANTS:

Participant Type: PD/PI

Participant: William Arnold

Person Months Worked: 1.00

Project Contribution:

International Collaboration:

International Travel:

National Academy Member: N

Other Collaborators:

Funding Support:



GORDON RESEARCH CONFERENCES

FINAL REPORT

Army Research Office
Environmental Sciences: Water GRC

Grant Number W911NF-18-1-0139
June 24-29, 2018

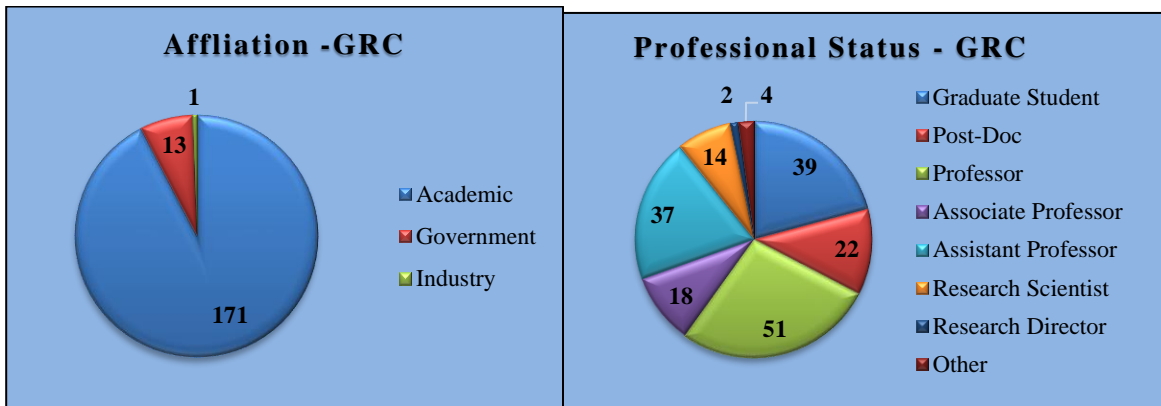
Operational Summary

The Gordon Research Conference (GRC) on Environmental Sciences: Water was held at Holderness School in Holderness, New Hampshire from June 24-29, 2018. The meeting covered a variety of scientific topics and the content presented was highly rated by participants.



Conference Participants

The Conference was well-attended with 187 participants. Scientists from academia represented 92% of the participants while attendees from government accounted for 7% and those from industry totaled 1%. The meeting also attracted a strong mix of young investigators and senior scientists. Students and post-docs accounted for 33% of all attendees. Approximately 50% of the participants at the 2018 meeting were women.



Conference Program

The 2018 Gordon Research Conference on Environmental Sciences: Water featured a program of leading researchers whose work strives to improve aquatic resources and protect public health. Traditionally this Gordon Conference has featured the frontiers of water quality research, with an emphasis on contaminant fate and impacts. However, as the field has evolved and matured, water quality scientists and engineers are wondering: *How can we be more proactive? How is global change impacting water quality and resources? What is our role in a globalized society?*

With these challenges in the environmental aquatic sciences, researchers are required to work at the intersections of traditional disciplines, especially as we strive to enrich our understanding of fundamental processes and develop solutions. For example, the production of food, energy, and material resources for the modern world relies upon new developments in separation technologies, water treatment, and systems engineering to meet the demand. The protection of water resources, particularly in areas vulnerable to global change, requires an understanding of chemical and biological phenomena from molecular to global scales. Exposures to hazardous chemicals can be mitigated by knowledge of human-environment interactions, and recent developments in new technologies could lead to opportunities to reduce exposures and remediate contaminated settings. The 2018 Environmental Science: Water GRC featured a program of thought-provoking research in the areas of sustainable water and material resources, molecular processes in aquatic systems, chemical exposures and health outcomes, and new technologies for water.

Conference Budget

Funding provided by the Army Research Office supported partial registration and/or travel for 6 postdocs, 13 graduate students, 13 professors, 1 associate professor, 2 assistant professors, 1 research director and 1 research scientist at the GRC.

Conference Feedback

Participants had an opportunity to provide feedback at the end of the Conference. The feedback collected from the meeting was extremely positive. Evaluations included numerous positive remarks regarding the broad variety of topics, networking opportunities and the question and answer time after each talk.

GRC would like to thank the Army Research Office for its continued support of the meetings. The contributions received have been critical to the success of the conferences and are having a measurable impact in advancing the frontiers of science worldwide.

Dr. William Arnold, GRC Chair
University of Minnesota

Dr. Heileen Hsu-Kim, GRC Vice Chair
Duke University

Dr. Nancy Ryan Gray
President and Chief Executive Officer
Gordon Research Conferences

Environmental Sciences: Water

Gordon Research Conference

Innovations at the Intersections of the Aquatic Sciences: Water Quality, Health, Materials, Technologies

June 24 - 29, 2018

Chair- William A. Arnold

Vice Chair- Heileen Hsu-Kim

Holderness School

33 Chapel Lane

Holderness, NH, US

Conference Program

Sunday

- 2:00 pm - 9:00 pm Arrival and Check-in
- 6:00 pm - 7:00 pm Dinner
- 7:30 pm - 7:40 pm Introductory Comments by GRC Site Staff / Welcome from the GRC Chair
- 7:40 pm - 9:30 pm Water Nexus Issues: Real or Repackaged?
Discussion Leader: **Timothy Strathmann** (Colorado School of Mines, USA)
- 7:40 pm - 7:50 pm Introduction by Discussion Leader
- 7:50 pm - 8:25 pm **Korneel Rabaey** (Ghent University, Belgium)
"Water - Chemistry: The Hidden Nexus"
- 8:25 pm - 8:40 pm Discussion
- 8:40 pm - 9:15 pm **Jeremy Guest** (University of Illinois at Urbana-Champaign, USA)
"Resource Recovery from Your Bodily Waste: The Answer to Life, the Universe and Everything"
- 9:15 pm - 9:30 pm Discussion

Monday

- 7:30 am - 8:30 am Breakfast
- 8:30 am - 9:00 am Group Photo
- 9:00 am - 12:30 pm Molecular Scale Processes, Mega Trends
Discussion Leader: **Eric Pierce** (Oak Ridge National Laboratory, USA)
- 9:00 am - 9:10 am Introduction by Discussion Leader
- 9:10 am - 9:45 am **Liane G. Benning** (GFZ German Research Centre for Geosciences, Germany)
"The Great Melting: How Small Living Things Affect Global Processes"
- 9:45 am - 10:05 am Discussion
- 10:05 am - 10:35 am Coffee Break
- 10:35 am - 11:10 am **Brandy Toner** (University of Minnesota, USA)
"Small Particles, Big Ocean: The Speciation of Particulate Iron in Marine Geochemical Gradients"
- 11:10 am - 11:30 am Discussion

11:30 am - 12:05 pm	Heather Allen (Ohio State University, USA) "Salt Water and Ocean Gunk: Ion and Lipid Organization at the Ocean's Surface"
12:05 pm - 12:25 pm	Discussion
12:25 pm - 12:30 pm	General Discussion
12:30 pm - 1:30 pm	Lunch
1:30 pm - 4:00 pm	Free Time
3:00 pm - 4:00 pm	Power Hour <i>The GRC Power Hour is an optional informal gathering open to all meeting participants. It is designed to help address the challenges women face in science and support the professional growth of women in our communities by providing an open forum for discussion and mentoring.</i>
	Organizer: Jennifer Field (Oregon State University, USA)
4:00 pm - 6:00 pm	Poster Session
6:00 pm - 7:00 pm	Dinner
7:30 pm - 9:30 pm	Impacts of Unconventional Gas and Oil Production Discussion Leader: Charles Werth (University of Texas at Austin, USA)
7:30 pm - 7:40 pm	Introduction by Discussion Leader
7:40 pm - 8:15 pm	Avner Vengosh (Duke University, USA) "The Origin of Hydraulic Fracturing Fluids"
8:15 pm - 8:35 pm	Discussion
8:35 pm - 9:10 pm	Paula Mouser (University of New Hampshire, USA) "The Outsiders: Microbial Colonization and Sustenance in Fractured Shale"
9:10 pm - 9:30 pm	Discussion
Tuesday	
7:30 am - 8:30 am	Breakfast
9:00 am - 12:30 pm	Oxidative Processes and Contaminant Transformations Discussion Leader: Karl Linden (University of Colorado Boulder, USA)
9:00 am - 9:10 am	Introduction by Discussion Leader
9:10 am - 9:45 am	Christina Remucal (University of Wisconsin-Madison, USA) "Shining Light on Dissolved Organic Matter: Applying Both Old and New Tools to Resolve Composition and Reactivity"
9:45 am - 10:05 am	Discussion
10:05 am - 10:35 am	Coffee Break
10:35 am - 11:10 am	Xiaohong Guan (Tongji University, China) "Inducing Soluble Mn(III) Generation for Rapid Organic Contaminants Abatement"
11:10 am - 11:30 am	Discussion
11:30 am - 12:05 pm	Brian Chaplin (University of Illinois at Chicago, USA) "Electrochemical Advanced Oxidation Processes: Challenges and Opportunities for an Emerging Water Treatment Technology"
12:05 pm - 12:25 pm	Discussion
12:25 pm - 12:30 pm	General Discussion

12:30 pm - 1:30 pm	Lunch
1:30 pm - 4:00 pm	Free Time
4:00 pm - 6:00 pm	Poster Session
6:00 pm - 7:00 pm	Dinner
7:30 pm - 9:30 pm	Reinventing the Toilet Discussion Leader: Alison Parker (Cranfield University, United Kingdom)
7:30 pm - 7:40 pm	Introduction by Discussion Leader
7:40 pm - 8:15 pm	Tove Larsen (Eawag - Swiss Federal Institute of Aquatic Science and Technology, Switzerland) "From Paris to Nairobi via Beijing: Innovative Source-Separating Toilet Technology for Global Water and Sanitation Challenges"
8:15 pm - 8:35 pm	Discussion
8:35 pm - 9:10 pm	Michael Hoffmann (California Institute of Technology, USA) "Solar-Powered Onsite Wastewater Treatment: From a Science-Based Design Concept to Full-Scale Manufacturing in Six Years"
9:10 pm - 9:30 pm	Discussion

Wednesday

7:30 am - 8:30 am	Breakfast
9:00 am - 12:30 pm	Antibiotic Resistance in Water Systems Discussion Leader: Diana Aga (University at Buffalo, SUNY, USA)
9:00 am - 9:10 am	Introduction by Discussion Leader
9:10 am - 9:45 am	Tong Zhang (The University of Hong Kong, Hong Kong SAR China) "Metagenomic Insights into Antibiotic Resistance Genes in Environments"
9:45 am - 10:05 am	Discussion
10:05 am - 10:35 am	Coffee Break
10:35 am - 11:10 am	Michael Gillings (Macquarie University, Australia) "Pollutants that Replicate: Mobile Elements, Integrons and Resistance Genes"
11:10 am - 11:30 am	Discussion
11:30 am - 12:05 pm	Amy Pruden (Virginia Tech, USA) "Antibiotic Resistance in the Water Environment: What Do We Monitor? What Do We Mitigate?"
12:05 pm - 12:25 pm	Discussion
12:25 pm - 12:30 pm	General Discussion
12:30 pm - 1:30 pm	Lunch
1:30 pm - 4:00 pm	Free Time
4:00 pm - 6:00 pm	Poster Session
6:00 pm - 7:00 pm	Dinner
7:00 pm - 7:30 pm	Business Meeting <i>Nominations for the Next Vice Chair; Fill in Conference Evaluation Forms; Discuss Future Site and Scheduling Preferences; Election of the Next Vice Chair</i>

7:30 pm - 9:30 pm	Microplastics Discussion Leader: Tamara Galloway (University of Exeter, United Kingdom)
7:30 pm - 7:40 pm	Introduction by Discussion Leader
7:40 pm - 8:15 pm	Chelsea Rochman (University of Toronto, Canada) "Contamination and Effects of Plastic Debris and Associated Chemicals in the Marine Environment"
8:15 pm - 8:35 pm	Discussion
8:35 pm - 9:10 pm	Albert Koelmans (Wageningen University, The Netherlands) "Microplastics: Closing the Gap Between the Known and Unknown"
9:10 pm - 9:30 pm	Discussion
Thursday	
7:30 am - 8:30 am	Breakfast
9:00 am - 12:30 pm	Toxicant Exposure Discussion Leader: Mark Strynar (U.S. Environmental Protection Agency, USA)
9:00 am - 9:10 am	Introduction by Discussion Leader
9:10 am - 9:45 am	Kim Anderson (Oregon State University, USA) "Novel Approach to Assess Personal Chemical Exposure"
9:45 am - 10:05 am	Discussion
10:05 am - 10:35 am	Coffee Break
10:35 am - 11:10 am	Kevin Thomas (University of Queensland, Australia) "What Else Can the Analysis of Urban Wastewater Reveal About Communities?"
11:10 am - 11:30 am	Discussion
11:30 am - 12:05 pm	Frank von der Kammer (University of Vienna, Austria) "Shining Light on the Neglected Dimensions: Hydrosols in the Aquatic Environment - A New Class of Pollutants?"
12:05 pm - 12:25 pm	Discussion
12:25 pm - 12:30 pm	General Discussion
12:30 pm - 1:30 pm	Lunch
1:30 pm - 4:00 pm	Free Time
4:00 pm - 6:00 pm	Poster Session
6:00 pm - 7:00 pm	Dinner
7:30 pm - 9:30 pm	Translating Aquatic Science Research to Practice Discussion Leaders: Theresa Slifko (Metropolitan Water District of Southern California, USA) and Anh Pham (Carleton University, Canada)
7:30 pm - 7:40 pm	Introduction by Discussion Leader
7:40 pm - 8:15 pm	Peter Fiske (Lawrence Berkeley National Laboratory, USA) "Innovation Pathways in the Water Ecosystem: The PAX Water Story"
8:15 pm - 8:35 pm	Discussion
8:35 pm - 8:40 pm	Introduction by Discussion Leader
8:40 pm - 8:50 pm	Short Talk Selected from Poster Abstracts
8:50 pm - 8:55 pm	Discussion

8:55 pm - 9:05 pm	Short Talk Selected from Poster Abstracts
9:05 pm - 9:10 pm	Discussion
9:10 pm - 9:20 pm	Short Talk Selected from Poster Abstracts
9:20 pm - 9:25 pm	Discussion
9:25 pm - 9:30 pm	Closing Remarks

Friday

7:30 am - 8:30 am	Breakfast
9:00 am	Departure

Contributors



**Gordon Research
Conferences**
Frontiers of Science



Carl Storm
Underrepresented
Minority Fellowship
Program



Predominantly
Undergraduate
Institution Fund



**Environmental
Science**
Processes & Impacts
Editor-in-chief
Kris McNeill



**Environmental
Science**
Water Research & Technology
Editor-in-chief
David M Cwiertry



**ENVIRONMENTAL
Science & Technology**

**ENVIRONMENTAL
Science & Technology LETTERS**

[Duke University - Civil and Environmental Engineering](#)

[University of Minnesota - Department of Civil, Environmental, and Geo- Engineering](#)



Kristopher McNeill

Environmental Sciences: Water GRC – Registration List

Name	Organization	Participation
Aeppli, Meret	Eawag	Poster Presenter
Aga, Diana S.	University at Buffalo, SUNY	Discussion Leader
Allen, Heather C.	Ohio State University	Speaker
Anderson, Kim	Oregon State University	Speaker
Angeles, Luisa F	University at Buffalo	Poster Presenter
Arnold, William A	University of Minnesota	Chair
Benning, Liane G.	GFZ German Research Centre for Geosciences	Speaker
Blaney, Lee	University of Maryland Baltimore County	Poster Presenter
Bokare, Mandar N	University of Maryland, Baltimore County	Poster Presenter
Bouwer, Edward J	Johns Hopkins University	Attendee
Bulman, Devon M. M.	University of Wisconsin - Madison	Poster Presenter
Burken, Joel G	Missouri University of Science and Technology	Poster Presenter
Capiro, Natalie L	Tufts University	Poster Presenter
Carpenter, Corey	Cornell University	Poster Presenter
Cerrato, Jose M	University of New Mexico	Poster Presenter
Chaplin, Brian P	University of Illinois at Chicago	Speaker
Chin, Yu-Ping	University of Delaware	Poster Presenter
Chow, Heline	Carleton University	Poster Presenter
Chun, Chan Lan	University of Minnesota Duluth	Poster Presenter
Colvin, Katherine	University of Exeter	Poster Presenter
Dai, Ning	University at Buffalo, SUNY	Poster Presenter
De Silva, Amila O.	Environment and Climate Change Canada	Poster Presenter
Dixon, Holly	Oregon State University	Poster Presenter
Doudrick, Kyle	University of Notre Dame	Poster Presenter
Egli, Christine M.	Eawag - Swiss Federal Institute of Aquatic Science and Technology	Poster Presenter
Elsner, Martin	Technical University of Munich	Poster Presenter
Fahrenfeld, Nicole	Rutgers	Poster Presenter
Fennell, Donna E	Rutgers University	Poster Presenter
Fenner, Kathrin	Eawag & University of Zurich	Poster Presenter
Ferguson, Lee	Duke University	Poster Presenter
Field, Jennifer A	Oregon State University	Attendee
Fiske, Peter	Lawrence Berkeley National Laboratory	Speaker
Fortner, John D	Washington University in St. Louis	Attendee
Galloway, Tamara S	University of Exeter	Discussion Leader
Garcia, Raymmah A	Oregon State University	Poster Presenter
Getzinger, Gordon	ETH Zurich	Poster Presenter
Ghosh, Upal	University of Maryland Baltimore County	Poster Presenter
Giammar, Daniel E	Washington University in St. Louis	Poster Presenter
Gillings, Michael	Macquarie University	Speaker
Goetsch, Heather E	University of Michigan	Poster Presenter
Gonzalez Estrella, Jorge	University of New Mexico	Poster Presenter
Gorski, Christopher	Pennsylvania State University	Poster Presenter
Gray, James L	US Geological Survey	Poster Presenter
Gray, Hannah K	Johns Hopkins University	Poster Presenter

Griffith, David	Willamette University	Poster Presenter
Gschwend, Philip	MIT	Attendee
Guan, Xiaohong	Tongji University	Speaker
Guest, Jeremy	University of Illinois at Urbana-Champaign	Speaker
Haderlein, Stefan B	Tübingen University	Poster Presenter
Helbling, Damian E	Cornell University	Poster Presenter
Henry, Heather F	National Institute of Environmental Health Sciences	Attendee
Higgins, Christopher P	Colorado School of Mines	Poster Presenter
Hoffmann, Michael R	California Institute of Technology	Speaker
Hofstetter, Thomas B	Eawag - Swiss Federal Institute of Aquatic Science and Technology	Poster Presenter
Hohner, Amanda K	Washington State University	Poster Presenter
Hsu-Kim, Heileen	Duke University	Vice Chair
Hudson, Jeffrey	University of Delaware	Poster Presenter
Hueffer, Thorsten	University of Vienna	Poster Presenter
Hutchinson, Carolyn P	Willamette University	Poster Presenter
Hwang, Inseong	Pusan National University	Poster Presenter
Ikuma, Kaoru	Iowa State University	Poster Presenter
Ismail, Niveen	Smith College	Poster Presenter
Jans, Urs	City College of New York	Poster Presenter
Janssen, Elisabeth ML	Eawag, Swiss Federal Institute of Water Research and Technology	Poster Presenter
Jolin, William C	Argonne National Laboratory	Poster Presenter
Jun, Young-Shin	Washington University in St. Louis	Poster Presenter
Katz, Lynn E	University of Texas	Poster Presenter
Kearns, Joshua P	North Carolina State University	Poster Presenter
Keltie, Sam	Royal Society of Chemistry	Poster Presenter
Kerrigan, Jill F	University of Delaware	Poster Presenter
Kim, Cheolyong	Pusan National University	Poster Presenter
Knappe, Detlef	North Carolina State University	Poster Presenter
Koelmans, Albert A	Wageningen University	Speaker
Kohn, Tamar	Ecole Polytechnique Federale de Lausanne	Poster Presenter
Krnavek, Laura	Army Research Office	Attendee
Krzmarzick, Mark J	Oklahoma State University	Poster Presenter
Kumpel, Emily	University of Massachusetts Amherst	Poster Presenter
LaPara, Timothy	University of Minnesota	Poster Presenter
Larsen, Tove A.	Eawag - Swiss Federal Institute of Aquatic Science and Technology	Speaker
Lee, Mari	U.S. Environmental Protection Agency	Poster Presenter
Li, Mengyan	New Jersey Institute of Technology	Poster Presenter
Li, Xu	University of Nebraska-Lincoln	Poster Presenter
Lin, Diana	San Francisco Estuary Institute	Poster Presenter
Linden, Karl	University of Colorado Boulder	Discussion Leader
Liu, Jinyong	University of California, Riverside	Poster Presenter
Liu, Haizhou	University of California, Riverside	Poster Presenter
Luek, Jenna L.	University of New Hampshire	Poster Presenter
Macalady, Donald L	Retired: Colorado School of Mines	Attendee

MacKay, Allison	The Ohio State University	Attendee
Maizel, Andrew	Colorado School of Mines	Poster Presenter
Mansfeldt, Cresten	Eawag	Poster Presenter
Maresca, Julia A	University of Delaware	Attendee
Marron, Emily L	University of California, Berkeley	Poster Presenter
Maurer-Jones, Melissa A	University of Minnesota Duluth	Poster Presenter
May, Megan K	MIT-WHOI Joint Program in Oceanography	Poster Presenter
McAdams, Brandon C	U.S. Department of Energy NETL	Poster Presenter
McCurry, Daniel L	University of Southern California	Poster Presenter
McDonough, Carrie A	Colorado School of Mines	Poster Presenter
McKay, Garrett	Colorado School of Mines	Poster Presenter
McKenzie, Erica R	Temple University	Poster Presenter
McNeill, Kristopher	ETH Zurich	Attendee
Melsbach, Aileen	Helmholtz Zentrum München (GmbH)	Poster Presenter
Mitrano, Denise M	Swiss Federal Institute of Aquatic Science and Technology (EAWAG)	Poster Presenter
Moor, Kyle J	ETH Zurich	Poster Presenter
Mouser, Paula	University of New Hampshire	Speaker
Muir, Derek	Environment & Climate Change Canada	Poster Presenter
Neal-Walthall, Natalia B	Duke University	Poster Presenter
Nienow, Amanda M	Gustavus Adolphus College	Poster Presenter
Nihemaiti, Maolida	Curtin University	Poster Presenter
Novak, Paige J	University of Minnesota	Attendee
Nowack, Bernd	Empa-Swiss Federal Laboratories for Materials Science and Technology	Poster Presenter
Olivares, Christopher	University of California, Berkeley	Poster Presenter
Parker, Kimberly M	Washington University in St Louis	Poster Presenter
Parker, Alison	Cranfield University	Discussion Leader
Pedersen, Joel A.	University of Wisconsin - Madison	Poster Presenter
Pena, Jasquelin	University of Lausanne	Poster Presenter
Pennell, Kurt	Brown University	Poster Presenter
Perez, Jeffrey Paulo H.	GFZ German Research Centre for Geosciences	Poster Presenter
Pham, Anh L	Carleton University	Discussion Leader
Pierce, Eric M	Oak Ridge National Laboratory	Discussion Leader
Pincus, Lauren N	Yale University School of Forestry and Environmental Studies	Poster Presenter
Plata, Desiree L	Massachusetts Institute of Technology	Poster Presenter
Prasse, Carsten	Johns Hopkins University	Poster Presenter
Pruden, Amy	Virginia Tech	Speaker
Rabaey, Korneel	Ghent University	Speaker
Radjenovic, Jelena	Catalan Institute for Water Research	Poster Presenter
Ray, Jessica R	University of California, Berkeley	Poster Presenter
Remucal, Christina K	University of Wisconsin-Madison	Speaker
Robel, Alix E	Oregon State University	Poster Presenter
Rochman, Chelsea M	University of Toronto	Speaker
Rosario-Ortiz, Fernando	University of Colorado	Attendee
Rose, Michael	Johns Hopkins University	Poster Presenter

Sander, Michael	ETH Zurich	Poster Presenter
Schaider, Laurel A	Silent Spring Institute	Poster Presenter
Schug, Hannah	Eawag, Swiss Federal Institute of Aquatic Science and Technology	Poster Presenter
Scott, Sharon	Ohio State University	Poster Presenter
Sedlak, David L	University of California, Berkeley	Poster Presenter
Sergienko, Natalia	Catalan Institute for Water Research (ICRA)	Poster Presenter
Shi, Wenbo	Yale University	Poster Presenter
Sills, Deborah	Bucknell University	Poster Presenter
Silverman, Andrea	New York University	Poster Presenter
Simpson, Adam M	Stanford	Poster Presenter
Slifko, Theresa R	Metropolitan Water District of Southern California	Discussion Leader
Spahr, Stephanie	Stanford University	Poster Presenter
Stierle, William Mark	Corporate Culture Development	Attendee
Stone, Alan T	Johns Hopkins University	Attendee
Strathmann, Timothy J	Colorado School of Mines	Discussion Leader
Strynar, Mark J	U.S. Environmental Protection Agency	Discussion Leader
Su, Lei	University at Buffalo The State University of New York	Poster Presenter
Sumner, Andrew J	Yale University	Poster Presenter
Sun, Mei	University of North Carolina at Charlotte	Poster Presenter
Tarpeh, William A	Stanford University	Poster Presenter
Thomas, Kevin V	University of Queensland	Speaker
Toner, Brandy M.	University of Minnesota	Speaker
Torralba-Sanchez, Tifany	Oregon Health & Science University	Poster Presenter
Tratnyek, Paul G	Oregon Health & Science University	Poster Presenter
Trimmer, John T	University of Illinois at Urbana-Champaign	Poster Presenter
Ulliman, Sydney L	University of Colorado Boulder	Poster Presenter
Van Buren, Jean	University of California - Berkeley	Poster Presenter
Vanwongerghem, Inka	Ghent University	Poster Presenter
Vasudevan, Dharni	Bowdoin College	Attendee
Vengosh, Avner	Duke University	Speaker
Vikesland, Peter	Virginia Tech	Poster Presenter
Voelker, Bettina M	Colorado School of Mines	Poster Presenter
von der Kammer, Frank G	University of Vienna	Speaker
Walker Karega, Imari I	Duke University	Poster Presenter
Wammer, Kris H	University of St. Thomas	Attendee
Weber, Eric J	US EPA	Attendee
Werth, Charles J	University of Texas at Austin	Discussion Leader
Westerhoff, Paul	Arizona State University	Poster Presenter
Wombacher, Rebecca	University at Buffalo	Poster Presenter
Wu, Chia-Chen	University of Michigan	Poster Presenter
Xiao, Feng	University of North Dakota	Poster Presenter
Xiong, Boya	Massachusetts Institute of Technology	Poster Presenter
Xu, Wenqing	Villanova University	Poster Presenter
Yang, Xuejing	East China University of Science and Technology	Poster Presenter
Yang, Yu	University of Nevada, Reno	Poster Presenter
Yang, Yang	California Institute of Technology	Poster Presenter

Zeng, Teng	Syracuse University	Poster Presenter
Zhang, Huichun	Case Western Reserve University	Poster Presenter
Zhang, Xianmiao	The City College of New York, CUNY	Poster Presenter
Zhang, Anni	The University of Hong Kong	Poster Presenter
Zhang, Wen	New Jersey Institute of Technology	Poster Presenter
Zhang, Tong	The University of Hong Kong	Speaker
Zhao, Renzun	Lamar University	Poster Presenter
Zheng, Qinmin	George Washington University	Poster Presenter
Zhu, Kuang	University of Minnesota Twin Cities	Poster Presenter