

AEESP Newsletter

Published three times yearly by the Association of Environmental Engineering & Science Professors

January 2016

Volume 51 No. 1

- 3 AEESP News**
- 6 New Faculty Appointments**
- 9 Member News**

Highlights

President's Letter	PAGE 1
2016 AEESP Award Nominations	PAGE 3
Student Services Committee Workshop	PAGE 5

Need to renew your 2016 AEESP membership?
Go to "Membership > Online Renewal" on the AEESP Website:
AEESP.org

AEESP Newsletter Submissions

Please send news, conference announcements, job postings, letters to the editor, and other contributions to the newsletter to Steve Mylon at mylons@lafayette.edu. The next newsletter will appear in May 2016

President's Letter

by GREG CHARACKLIS
University of North Carolina at Chapel Hill

Dear AEESP Members:



Happy New Year! I hope that the first few days of 2016 have treated everyone well. Typically, I spend the beginning of the calendar year scrambling to prepare for the Spring semester and thinking about all the "to do's" that didn't quite get done over the holidays. While this year is no exception, I was also fortunate to spend a few days in early January with roughly 70 members of our community on the campus of the University of Southern California participating in the first of three NSF-AEESP workshops on "Redefining Environmental Engineering and Science in the 21st Century". This turned out to be a fascinating event thanks to a great cohort of speakers and a group of very active participants. A special thanks also goes out to co-organizer Amy Childress who provided a wonderful venue.

Among the more interesting parts of the workshop were several activities in which participants engaged in both individual and group efforts to prioritize research challenges across a broad range of environmental problems. The results were relatively consistent, with challenges related to climate change impacts/adaptation, impacts of energy production/use and developing country issues ranking at or near the top in most cases. While these rankings would probably come as little surprise to anyone who reads the newspaper, they gave rise to some interesting questions.

Over the course of the day, I had the opportunity to discuss these results with a number of people and ask them whether the importance attached to these challenges in the workshop activities was reflective of the emphasis given to the same topics within their home departments, either in terms of teaching or research. The answer was largely, and sometimes emphatically, "no". While these conversations represent an admittedly small sample, I must say that the same things are true in my own department, where (despite a fairly ro-

bust program in developing world water and sanitation) we have only one class that directly addresses climate change and none that do so for energy. Presuming that this lack of emphasis is common across many of our programs, the next question is "why?". Here the responses I got were more varied, with some of the difficulties cited including: fitting new courses into packed curricula, meeting ABET requirements, the less technical nature of the solutions, uncertainty regarding funding sources or a lack of familiarity with appropriate funding sources. One person simply said "inertia".

Not to minimize any of these difficulties, but in addition to the sentiments of the workshop participants, there also seem to be some strong incentives for our discipline to begin moving more purposefully into these, and perhaps other, expanding areas. Among these is the rapid increase in environmental research funding related to both climate change and energy, as well as the continued growth of student interest in addressing developing world challenges. Assuming this line of thinking is reasonable, then the next question would seem to be, "what, if anything, should we do?".

This is a difficult question for which I don't have a good answer. That said, my hope is that by facilitating a discussion of these issues within the AEESP community some collective answers will begin to take shape. Toward that end, I would encourage any of you that are interested in these types of questions to join us at one of the two remaining workshops, either in Houston March 31-April 1, or in the DC area on May 19-20 (see <http://www.aeesp.org> for details). Your participation and contributions would be welcome.

Best wishes to everyone for a prosperous 2016 and I hope to see you at an AEESP-sponsored event some time soon.

All the best,
Greg



The AEESP Newsletter is published three times a year in January, May, and September by the Association of Environmental Engineering and Science Professors. Issues are published online at:

www.aeesp.org/news

Newsletter submissions, comments, and letters to the editor may be sent to:

Steven Mylon, AEESP Newsletter Editor
Department of Chemistry
Lafayette College
Hugel Science Center
Easton, PA 18042
Phone: 610-330-5825
mylons@lafayette.edu

Letters to the president may be sent to:

Gregory Characklis
Environmental Science and Engineering
University of North Carolina
School of Public Health
CB 7431 Rosenau Hall
Chapel Hill, NC 27599-7431
Phone: (919) 843-5545
Fax: (919) 966-7911
charack@email.unc.edu

Please send address changes to:

Brian Schorr
AEESP Business Office
1211 Connecticut Ave NW, Suite 650
Washington, DC 20036
phone: (202) 640-6591
email: bschorr@aeesp.org

AEESP Membership Application online:

www.aeesp.org/membership

From: CATHERINE PETERS, Princeton University (Deputy Editor of AEESP EES Journal)

This is the first of what will be a regular column in the AEESP Newsletter, to appear three times per year. This first "Spotlight" has been created by Domenico Grasso (EES Editor-in-Chief), Catherine A. Peters (EES Deputy Editor), and Susan Masten (Chair, AEESP Publications Committee). Going forward, this "Spotlight" will be jointly authored by editors of the EES journal and by members of the AEESP Board and/or the Publications committee. This has been discussed at the joint meeting of the AEESP Board and the EES Editorial Board, and with the AEESP Publications Committee (June 2015).

AEESP Journal Environmental Engineering Science Spotlight

DOMENICO GRASSO (EES Editor-in-Chief),
CATHERINE A. PETERS (EES Deputy Editor), and
SUSAN MASTEN (Chair, AEESP Publications Committee)

On behalf of the editorial board of *Environmental Engineering Science*, we share our enthusiasm about the ever-strengthening partnership between AEESP and the Journal. Through publication of high-quality research, the EES Journal works in partnership with AEESP to achieve its mission of developing and disseminating knowledge in environmental engineering and science. With Mary Ann Liebert, Inc. as the newest Sustaining Member of AEESP, the partnership is further strengthened. We welcome and encourage all AEESP members to submit manuscripts to EES.

This is the first of a new column that will appear three times per year in the AEESP Newsletter and as a feature in the journal. In this column, we introduce the "AEESP Journal Spotlight" to draw attention to articles of special interest, importance and significance. For some of these articles, Mary Ann Liebert will have a press release. Today, we shine the "Editors' Spotlight" on selected articles from the 2015 August through November issues of EES. Congratulations to all whose work is being highlighted.

Clark B.N., Masters S.V., Edwards M.A. (Virginia Tech) "*Lead Release to Drinking Water from Galvanized Steel Pipe Coatings*" *Environmental Engineering Science* 32(8):713-721 (2015).

This research addresses the question of whether the zinc coating in galvanized steel pipes can result in elevated lead in drinking water. The authors tested whether a zinc-lead-cadmium fingerprint can distinguish different sources of lead.

Stevens C.C., Thibodeaux L.J., Overton E.B., Valsaraj K.T., Nandakumar K., Rao A., Walker N.D. (Louisiana State University) "*Sea Surface Oil Slick Light Component Vaporization and Heavy Residue Sinking: Binary Mixture Theory and Experimental Proof of Concept*" *Environmental Engineering Science* 32(8):694-702 (2015). This study is the first to report that oil from marine spills can sink due to densification from volatilization of light components. The authors have dubbed the process "EVAPO-SINK".

Staunton E.T., Bunk S.R., Walters G.W., Whalen S.C., Rudek J., Aitken M.D. (University of North Carolina at Chapel Hill) "*Coupling Nitrogen Removal and Anaerobic Digestion for Energy Recovery from Swine Waste Through Nitrification/Denitrification.*" *Environmental Engineering Science* 32(9):741-749 (2015).

This farm-based study evaluated the technical feasibility of coupling biological nitrogen removal with anaerobic digestion of swine waste for energy recovery.

2016 AEESP Award Nominations

Submitted by LYNN KATZ (University of Texas), AEESP Awards Committee Chair

AEESP and the AEESP Foundation confer awards that our community presents for outstanding contributions to environmental engineering and science education and research. Through the hard work and generosity of many, AEESP and the AEESP Foundation have been raising funds to endow new and existing awards.

Please consider nominating a worthy colleague or student for one of these prestigious awards. **Nominations for the 2016 AEESP awards are being accepted until March 15, 2016.** Brief award descriptions are presented below. This year, all nomination materials must be submitted online. The submission link for each award, full instructions, and a list of prior award winners can be found on the AEESP Foundation Webpage at <http://aeesp-foundation.org/awards>. Unless stated otherwise, awards will be presented at the Annual AEESP Meet and Greet in conjunction with WEFTEC 2016 on Monday, September 26, 2016 in New Orleans, LA.

Student Awards

CH2M Hill/AEESP Outstanding Doctoral Dissertation Award

This award, endowed by CH2M Hill, annually recognizes an outstanding doctoral dissertation that contributes to the advancement of environmental science and engineering. The award will consist of a plaque and cash prize of \$1,500 for the student and a plaque and cash prize of \$500 for the faculty advisor. Student and faculty award recipients who attend the award ceremony will receive a \$750 travel allotment. In the case of faculty co-advisors, the \$750 travel allotment must be shared. Please note that nominations for this award are automatically considered for the Paul V. Roberts Outstanding Doctoral Dissertation Award. Faculty advisors are encouraged to nominate dissertations completed under their supervision but must limit themselves to a single entry for both dissertation awards (not one entry per award).

Paul V. Roberts/AEESP Outstanding Doctoral Dissertation Award

This endowed award is given annually to recognize a rigorous and innovative doctoral thesis that advances the science and practice of water quality engineering for either engineered or natural systems. Special consideration is given to physical-chemical process research and/or research that especially supports underserved communities, environmental awareness, or sustainable solutions. The award consists of a plaque and cash prize of \$1,500 for the student, and a plaque and cash prize of \$500 for the faculty advisor. Student and faculty award recipients who attend the award ceremony will receive a \$750 travel allotment. In the case of faculty co-advisors, the \$750 travel allotment must be shared. Please note that nominations for this award are automatically for the CH2M Hill/AEESP Outstanding Doctoral Dissertation Award. Faculty advisors are encouraged to nominate dissertations completed under their supervision but must limit themselves to a single entry for both dissertation awards (not one entry per award).

MWH/AEESP Master's Thesis Awards

This award annually recognizes the first and second most outstanding M.S. theses that contribute to the advancement of environmental science and engineering. The prize for the first place award includes a plaque and cash prize of \$1,500 for the student and a plaque for the faculty advisor. The second place award consists of a plaque and cash prize of \$500 for the student and a plaque for the faculty advisor. MWH also provides a \$750 travel allotment to student and faculty award recipients who attend the award ceremony. In the case of faculty co-advisors, the \$750 travel allotment must be shared.

William Brewster Snow Award

This award, administered in conjunction with the American Academy of Environmental Engineers and Scientists (AAEES), is given annually to recognize an environmental engineering graduate student who has made significant accomplishments in an employment or academic engineering project. Nominees for this award must be enrolled part- or full-time in an environmental engineering graduate program pursuing a Master's degree in Environmental Engineering or a closely related degree program, or have completed a Master's degree in Environmental Engineering or a closely related program one year or less from January 1 of the year in which the Brewster Snow Award is presented. The award consists of a plaque and a \$250 cash prize, which will be awarded at the AAEES Awards Luncheon in Washington D.C., April 14, 2016.

W. Wesley Eckenfelder Graduate Research Award

This AAEES award is cosponsored by HDR and recognizes a student whose research contributes to the knowledge pool of wastewater management. The award selection is based on original, innovative research of publishable quality, as well as other factors including academic program performance, professional or community service, engineering project accomplishment, and future goals. Consideration for this award is open to Master's and Ph.D. students performing research in the field of wastewater management. The recipient receives a plaque and cash honorarium of \$1,500. A travel allotment of \$500 is also available to the student for travel to Washington D.C. where the award will be presented at the AAEES Awards Luncheon, April 14, 2016. The student's faculty advisor also receives a plaque.

Innovyze Excellence in Computational Hydraulics/Hydrology Award

This AAEES award, co-sponsored by Innovyze, is given annually to recognize a student whose research contributes to the knowledge pool in the area of Computational Hydraulics & Hydrology. The award selection will be based on original, innovative research of publishable quality and other factors listed below. Consideration for this award is open to Master's and Ph.D. students. The recipient receives a plaque and a cash honorarium of \$1,500 for the student and a plaque and cash honorarium of \$500 for the major fac-

continued on next page

ulty advisor. A \$500 travel allotment is provided to the student recipient to attend the AAEEES Awards Luncheon in Washington D.C. on April 14, 2016 where the award will be presented.

Education, Research, and Practice Awards

Charles R. O'Melia/AEESP Distinguished Educator Award

This endowed award is given annually to recognize the significant contributions of Professor O'Melia to environmental engineering education and will be awarded to an environmental engineering or science professor who has a record of excellence in classroom teaching and graduate student advising; significant research achievements that have contributed to environmental engineering knowledge; and an outstanding record of influence through mentoring of former students and colleagues. The recipient of this award will receive a plaque, a cash prize of \$1500, and a \$750 travel allotment to attend the awards ceremony.

AEESP Award for Outstanding Contribution to Environmental Engineering & Science Education

This award is given annually to recognize an environmental engineering or science professor who exhibits excellence in teaching scholarship and/or professional society educational initiatives. Examples of such contributions include development or authorship of educational or instructional material or a text that enhances the student learning process, demonstrated effectiveness in course and/or curriculum development; and publication of original work, through peer-reviewed publications and/or presentations at professional meetings, that enhances the engineering education process or adds value to teaching methodology literature. Additional examples can be found on the awards web page. The recipient of this award will receive a plaque and a cash prize of \$500.

AEESP Award for Outstanding Teaching in Environmental Engineering & Science

This award is given annually to recognize an environmental engineering or science professor who exhibits excellence in classroom performance and related activities. The recipient will receive a plaque and a cash prize of \$500. Although open to nomination at any rank, the award is intended primarily to recognize a demonstrated commitment to teaching early in a person's career.

Excellence in Environmental Engineering Education (E4) Award

This award, administered in conjunction with AAEEES, is given annually to recognize an educator who has excelled in the development of educational material or text that enhances the ability of students and/or practitioners to

succeed as professional environmental engineers serving as practitioners in roles such as infrastructure design and project leadership. The recipient will receive a monetary award of \$1,000 with an additional \$500 travel allotment to attend the AAEEES Awards Luncheon in Washington D.C. on April 14, 2016.

AEESP Outstanding Publication Award

This award is given annually to recognize the author(s) of a "landmark environmental engineering and science paper that has withstood the test of time and significantly influenced the practice of environmental engineering and science." At least one of the authors must be living and previous winners are ineligible for a period of three years. The recipients of this award will receive plaques in honor of their achievements.

ARCADIS/AEESP Frontier in Research Award

This award is sponsored by ARCADIS and is given annually to recognize an environmental engineering or science professor who has advanced the environmental engineering and science field through recognized research leadership and pioneering efforts in a new and innovative research area. The selected recipient will receive a plaque and a cash prize of \$4,000. The sponsor also provides a \$750 travel allotment to be used by the recipient to attend the awards ceremony.

Perry L. McCarty/AEESP Founders' Award

This award is given annually to recognize an environmental engineering and science professor who has made "sustained and outstanding contributions to environmental engineering education, research, and practice." The recipient of this award will receive a plaque, a cash prize of \$1500, and a \$750 travel allotment to attend the awards ceremony.

Steven K. Dentel AEESP Award for Global Outreach

This award is given annually to recognize outstanding contributions and leadership by a faculty member through involvement in environmental engineering and science outreach activities to the global community. The recipient of this award will receive a plaque and a cash prize of \$1500.

The Frederick George Pohland Medal

This award honors an individual who has made sustained and outstanding efforts to bridge environmental engineering research, practice, and education. This award is jointly administered by AEESP and AAEEES and members of AEESP and/or AAEEES are eligible to receive this award. The award will consist of a medal, a \$1,000 cash award, and reimbursement of travel costs of up to \$1,000 for travel to the award ceremony.

Student Services Committee Hosts Workshop for Academic Job Seekers

Submitted by RANDI BRAZEAU (Metropolitan State University of Denver) on behalf of the STUDENT SERVICES COMMITTEE

The Student Services Committee (SSC) hosted its biannual Navigating the Academic Job Search Workshop at the 2015 AEESP conference hosted by Yale University in New Haven, CT. This year, the discussion session about securing an academic appointment in the Environmental Engineering and Sciences field was standing room only as Drs. Amy Pruden (Virginia Tech), Jennifer Becker (Michigan Tech), Andrea Achilli (Humboldt State), Manish Kumar (Penn State) and Richard Carbonaro (Mutch Associates) hosted a Q&A session to a packed house.



Students and post-docs eagerly wait for the expert panel discussions to start where faculty and industry experts discussed how to successfully navigate the job search process for academic and professional positions.

The panel of experts offered key advice on navigating the academic job search and stressed that, in addition to presenting a strong, customized application package, applicants must convincingly show how well they will fit in with their future department and collaborate with their colleagues. Many of the experts emphasized the increasingly important role that interdisciplinary research is playing in the field. The former SSC chair, David Ladner (Clemson) presided over the discussion and facilitated questions that were either posted on the AEESP wiki website or were asked by the audience during the panel session.

Like past workshops, our 32 student and postdoctoral participants prepared for the workshop by submitting application materials including a cover letter, CV and research statement. Additionally, students uploaded their questions about the interview process to AEESP's unique wiki website for students (<http://environmentalengineeringscience.wikispaces.com/>). The application materials were reviewed by 25 faculty volunteers who prepared indi-



After the Q&A session with the panel, students, post-docs and faculty reviewers break out for small group discussions on improving application packages and to answer individual questions.

vidualized advice and participated small group discussion with the students after the expert panel.

Following the panel discussion, attendees gathered in pre-arranged small groups of two students/postdocs and two faculty reviewers for continued discussion specific to participants' needs. Faculty reviewers provided constructive advice to improve participants' cover letters, CVs, research statements, and teaching philosophies. These small groups enabled participants to ask more detailed questions about the academic job search process and continue to grow their professional networks.

This SSC is already actively planning the next Academic Job Application Review for summer 2016 (AJAR2016), which will be an online, virtual version of the workshop between bi-annual conference years. Similar to the conference workshop, students will be able to receive personalized feedback on their application materials from experienced faculty. The SSC would like to thank all panelists and faculty who volunteered as their participation truly made the workshop an excellent opportunity for the attendees. Please visit our wiki website, which hosts content helpful to student professional development and continues to be updated to serve AEESP members. The SSC is always looking for new members, ideas, volunteer reviewers, and recommendations for future student service projects.

Be on the look out for more details about AJAR2016 soon!

Sincerely,

The AEESP Student Services Committee

THANK YOU TO ALL WORKSHOP VOLUNTEERS

David Ladner, Clemson University
 Phil Larese-Casanova, Northeastern University
 Stephanie Bolyard, University of Central Florida
 Andrew Whelton, University of South Alabama
 Fabriizio Sabba, University of Notre Dame
 Terese Olson, University of Michigan
 Kyle Bibby, University of Pittsburgh
 Ramesh Goel, University of Utah
 Andrea Achilli, Humboldt State University
 Jennifer Benning, South Dakota School of Mines and Technology
 David Wunder, Calvin College
 Andrew Ramsburg, Tufts University

David Cwiertny, The University of Iowa
 Julie Zimmerman, Yale University
 Jeremy Guest, University of Illinois at Urbana-Champaign
 Kyle Doudrick, Notre Dame University
 Heather Shipley, University of Texas at San Antonio
 Patrick McNamara, Marquette University
 Craig Just, University of Iowa
 Shihong Lin, Vanderbilt
 Shawn McElmurry, Wayne State University
 Thomas DiStefano, Bucknell University
 Roland Cusick, University of Illinois at Urbana-Champaign

Lisa Colosi Peterson, University of Virginia
 Jade Mitchell, Michigan State
 Bill Arnold, University of Minnesota
 Nancy Sullivan, AWWA
 Linda Weavers, Ohio State
 Manish Kumar, Penn State
 Adam Smith, University of South California
 Mark Krzmarick, Oklahoma State University
 Brenda Read-Daily, Elizabethtown College
 Srijan Aggarwal, University of Alaska at Fairbanks
 Venkataramana Gadhamshetty, South Dakota School of Mines

Faculty Appointments



This academic year, the CEE department at Princeton University is hosting **Professor Mitchell Small** as Visiting Professor of the Andlinger Center for Energy and the Environment.

Mitchell Small is the H. John Heinz III Professor of Environmental Engineering at Carnegie Mellon University. His research involves mathematical modeling of environmental systems, environmental statistics, public policy, risk assessment, and decision support. At Princeton, he is developing new research collaborations to address the impact of path-dependent innovation, risk outcomes, and their management for energy and infrastructure technologies and facilities. He is also teaching a new course, CEE/ENE 490 Mathematical Modeling of Energy and Environmental Systems. He is teaching a diverse array of undergraduates and graduate students how to develop and apply mathematical models for energy systems, and to evaluate their performance and their environmental and economic impacts. In the words of one student, "Prof. Small has changed the way I think about data and our role as environmental engineers in representing our analyses."



Dr. Allison A. MacKay has been appointed Professor in the Department of Civil, Environmental and Geodetic Engineering. Professor MacKay comes to The Ohio State University after having served as an associate professor of Civil and Environmental Engineering at the University of Connecticut.

Dr. MacKay earned her Bachelor of Applied Science in Engineering Science from the University of Toronto. She was later awarded an M.S. in Civil and Environmental Engineering and a Ph.D. in Environmental Engineering at the Massachusetts Institute of Technology. Dr. MacKay also completed post-doctoral research at the Connecticut Agricultural Experiment Station.

Professor MacKay's research focuses on the physico-chemical processes that govern how environmental contaminants are transported and react in natural aquatic systems and engineered water treatment systems. By examining the key properties of the contaminant and characteristics of the water system that influence a contaminant's fate, mechanism-based models can be constructed to transfer insights to other contaminants, or different systems. Ongoing projects are examining how contaminant structure influences charged organic compound sorption to minerals and how characteristics of effluent organic matter influence the photodegradation of pharmaceutical compounds in wastewater-receiving streams. Dr. MacKay's professional activities include serving as Program Chair of the 2014 Gordon Research Conference on Environmental Sciences and co-organizing four American Chemical Society sessions over her career. Her efforts to introduce environmental sustainability into the General Education curriculum at the University of Connecticut were recognized with the 2012 Faculty Environmental Leadership Award.



Dr. Andrew A. May has been promoted to the position of Assistant Professor in the Department of Civil, Environmental and Geodetic Engineering. Professor May came to Ohio State in August 2014 as a Senior Research Associate in CEGE. He also is a member of the Affiliated Faculty with OSU's Environmental Science Graduate Program and an Associate Fellow of OSU's Center for Automotive Research.

He received a B.Ch.E. in Chemical Engineering from the University of Delaware and an MS in Civil and Environmental Engineering from Clarkson University. After earning his PhD in Mechanical Engineering from Carnegie Mellon University, Dr. May served as a postdoctoral researcher in the Department of Atmospheric Science at Colorado State University.

Dr. May's research focuses on air quality and, in the past, has ranged from emissions characterization of on-road motor vehicles to atmospheric transformations of biomass burning smoke. He has been published in journals such as *Environmental Science & Technology*, *Journal of Geophysical Research – Atmospheres*, and *Atmospheric Chemistry and Physics*. Current interests include aerosol optical properties and low-cost sensors. He is a member of several professional organizations, including the American Association for Aerosol Research and the Association of Environmental Engineering and Science Professors. He is also an Engineer-in-Training in the State of Delaware, having passed his Fundamentals of Engineering exam in October 2006.



Dr. Karen C. Dannemiller has joined OSU as Assistant Professor with a joint appointment in the Department of Civil, Environmental and Geodetic Engineering in the College of Engineering in Environmental Health Sciences in the College of Public Health. Karen joins OSU after having served as a postdoctoral associate in Chemical and Environmental Engineering at Yale University.

She received her BS in Chemical and Biochemical Engineering from Brown University and MS, MPhil in Chemical and Environmental Engineering from Yale University. She continued her academic pursuits at Yale University, where she earned her PhD in Chemical and Environmental Engineering.

Dr. Dannemiller's interdisciplinary research integrates engineering with microbiology and addresses emerging health challenges and environmental concerns using -omics approaches. Her current research focuses on microbial activity in house dust and biotransformation of phthalates in homes.

In addition to a fundamental background in engineering and quantitative sciences, Dr. Dannemiller's skillset in microbiology includes phylogenetics, metagenomics, proteomics, and transcriptomics and allows for exploration of microbial communities and biological processes. She has extensive experience with next-generation DNA sequencing of fungi and bacteria, and using this data, she has addressed relevant challenges in bioinformatics, including software development, and in statistics, to demonstrate complex associations with human health outcomes.

New Faculty joins Environmental Engineering and the NSF ERC on Nanotechnology-Enabled Water Treatment (NEWT) at Rice University in Houston, TX



The Department of Civil and Environmental Engineering at Rice University is pleased to announce that **Dr. Lauren Stadler** has joined our faculty as of January 1, 2016. She starts her career at Rice University with a newly awarded grant from the U.S. Department of Agriculture focusing on mitigating human health risks and enhancing water sustainability associated with farming operations. Dr. Stadler will lead research in wastewater treatment and broaden departmental curriculum in areas of biotechnology, process design, and life cycle analysis and sustainability. She joins the growing research program of the newly launched NSF ERC on Nanotechnology-Enabled Water Treatment (NEWT) led by Rice's Pedro J. Alvarez in collaboration with Arizona State University, University of Texas at El Paso and Yale University.

Following receipt of a Bachelor's degree in Engineering from Swarthmore College, Dr. Stadler completed her M.S.E. in 2012 and Ph.D. in 2015 in Environmental Engineering under the advisement of Professor Nancy G. Love in the Department of Civil and Environmental Engineering at the University of Michigan. Her research focused on understanding the impact of low dissolved oxygen treatment on pharmaceutical fate in wastewater treatment. She received support for her research through an NSF Graduate Research Fellowship, a Dow Graduate Research Fellowship, and a Rackham Predoctoral Fellowship. She also was awarded the Michigan Water Environment Association John P. Hennessey Scholarship and a Rackham Merit Fellowship. Lauren Stadler is additionally a Fulbright Scholar and worked in consulting where she designed algae-based wastewater treatment systems.

New Faculty Join Environmental Engineering and Science Program at the University of Illinois at Urbana-Champaign



Dr. Yujie Men will be joining the Department of Civil and Environmental Engineering at University of Illinois at Urbana-Champaign (UIUC) as an Assistant Professor in March 2016. She is currently a postdoctoral scientist at Swiss Federal Institute of Aquatic Science and Technology (Eawag), working with Dr. Kathrin Fenner on micropollutant biotransformation and the involved microorganisms in nitrifying activated sludge communities. She holds a Ph.D. from University of California, Berkeley, where she worked with Professor Lisa Alvarez-Cohen on

probe-microbe interactions in dechlorinating communities for trichloroethene bioremediation. Dr. Men received her M.S. and B.S. degrees from the School of Environment at Tsinghua University. Her research focuses on understanding the ecological relationships between members of functional microbial consortia, and optimizing them for a variety of applications, such as groundwater bioremediation, sustainable anaerobic wastewater and biosolids treatment. She is also interested in advancing the knowledge of the fate of micropollutants up- and down-stream of wastewater treatment processes, as well as the interactive associations with the corresponding environmental microbial communities.



Dr. Vishal Verma joined the UIUC faculty as an Assistant Professor in the Department of Civil and Environmental Engineering in August 2015. Dr. Verma received his Ph.D. (2011) in Environmental Engineering from the University of Southern California where, under the direction of Prof. Costas Sioutas, he worked on identifying the bulk chemical fractions of ambient particles associated with toxicity. Before joining UIUC, Dr. Verma worked as a postdoctoral fellow and then research scientist in Prof. Rodney Weber's research group at Georgia Institute of Technology, with his research efforts focused on further narrowing down the specific chemical components responsible for toxicological characteristics of ambient aerosols and identifying their emission sources. Professor Verma obtained his B.E. in Environmental Engineering from Delhi College of Engineering (2002), and M. Tech. in Environmental Science and Engineering from Indian Institute of Technology Bombay (2004). Being broadly interested in assessing the health effects of atmospheric particles, his current research areas include measuring the oxidative potential of ambient aerosols and the associated reactive oxygen species (ROS) generation.

Following receipt of a Bachelor's degree in Engineering from Swarthmore College, Dr. Stadler completed her M.S.E. in 2012 and Ph.D. in 2015 in Environmental Engineering under the advisement of Professor Nancy G. Love in the Department of Civil and Environmental Engineering at the University of Michigan. Her research focused on understanding the impact of low dissolved oxygen treatment on pharmaceutical fate in wastewater treatment. She received support for her research through an NSF Graduate Research Fellowship, a Dow Graduate Research Fellowship, and a Rackham Predoctoral Fellowship. She also was awarded the Michigan Water Environment Association John P. Hennessey Scholarship and a Rackham Merit Fellowship. Lauren Stadler is additionally a Fulbright Scholar and worked in consulting where she designed algae-based wastewater treatment systems.

Two New Faculty Join School of Sustainable Engineering and the Built Environment at Arizona State University



Otakuye Conroy-Ben joined ASU's School of Sustainable Engineering and the Built Environment in August 2015. Prior to this, she held an appointment in the Department of Civil and Environmental Engineering at the University of Utah. She received a B.S. in Chemistry from the University of Notre Dame (1998), a M.S. in Chemical and Environmental Engineering (Arizona), a M.A. in Analytical Chemistry (Arizona), and a Ph.D. in Chemical and Environmental Engineering from the University of Arizona (2006). Otakuye completed a postdoc appointment in biochemistry in the area of metal and antibiotic resistance in bacteria. Her research interests lie in the area of emerging contaminants, including environmental endocrine disruption, multidrug resistance via chemical efflux in bacteria, and sewer epidemiology. This research has been featured in Environmental Science and Technology, Science of the Total Environment, Chemosphere, and FEMS Microbiology Letters.

Following receipt of a Bachelor's degree in Engineering from Swarthmore College, Dr. Stadler completed her M.S.E. in 2012 and Ph.D. in 2015 in Environmental Engineering under the advisement of Professor Nancy G. Love in the Department of Civil and Environmental Engineering at the University of Michigan. Her research focused on understanding the impact of low dissolved oxygen treatment on pharmaceutical fate in wastewater treatment. She received support for her research through an NSF Graduate Research Fellowship, a Dow Graduate Research Fellowship, and a Rackham Predoctoral Fellowship. She also was awarded the Michigan Water Environment Association John P. Hennessey Scholarship and a Rackham Merit Fellowship. Lauren Stadler is additionally a Fulbright Scholar and worked in consulting where she designed algae-based wastewater treatment systems.



Dr. Francois Perreault joined the School of Sustainable Engineering and the Built Environment at Arizona State University as an Assistant Professor in August 2015. Before joining ASU, he was a NSERC Postdoctoral Fellow in the Department of Chemical and Environmental Engineering at Yale University. Dr. Perreault received his B.Sc. in Environmental Biology (2006) from the University of Montreal. He then completed an M.Sc. in Chemistry and Biochemistry (2008) and a Ph.D. in Environmental

Sciences (2012) in the Department of Chemistry and the Institute of Environmental Sciences of the University of Quebec in Montreal. In his work, he uses an interdisciplinary approach, combining microbiology, chemistry, and nanotechnology, to address critical issues related to water quality and water treatment. His current research focuses on the development of bio-fouling control strategies in engineered systems, the use of novel nanomaterials for water treatment technologies, and in understanding the fundamental interactions of nanomaterials with biological systems. His research has been published in *ACS Nano*, *Environmental Science and Technology*, *Chemical Society Reviews*, *Nanotoxicology*, and *Environmental Pollution*.

New Faculty Joins CCEE Department at NC State



Dr. Fernando Garcia Menendez joined NC State University as an Assistant Professor in the Civil, Construction, and Environmental Engineering (CCEE) Department in January 2016. Fernando completed his Ph.D. in Environmental Engineering at the Georgia Institute of Technology where his doctoral research focused on high-resolution methods for regional-scale photochemical air quality models and simulating the impact of wildland fires on air pollution. He then completed a Postdoctoral Associate

position with the Center for Global Change Science at the Massachusetts Institute of Technology. At MIT, Fernando studied the impacts of climate change and climate policy on air quality. Specifically, his research investigated the propagation of uncertainty in climate projections to air pollution impact assessments. At NC State, he plans to use computational models to further explore the connections between air pollution, climate change, energy use and public health. Fernando received a B.S. in Chemical Engineering from the Monterrey Institute of Technology and Higher Education (ITESM) in Mexico and a M.S. in Civil and Environmental Engineering from Stanford University.

In Memoriam

Norman B. Jones (1924-2015). BS 1949 Civil Engineering, Utah State University; MS 1951, Civil Engineering (Sanitary Engineering), University of California, Berkeley. Faculty: Department of Civil Engineering, Utah State, 1962-1988. Retired to Palm Desert, 1988, later to St. George, UT, c.2003, d.08April2015. Date of death was from, "In Memoriam, 1950's", *Utah State*, Vol21(2):31, Summer 2015; other dates were from the *Salt Lake Tribune*, April 19, 2015 (the latter by a Google search).



Until the early 1960's sanitary engineering graduate programs were mostly in a "handful" of what were considered "major" schools, such as Purdue, Illinois, MIT, Harvard, Wisconsin, University of California, and a few others. About 1960 the field (what is now environmental engineering) was on the threshold of expanding. At Utah State University in Logan, Professor Norm Jones was advocating a program and the new 80,000 ft² Utah Water Research Laboratory, completed in June 1965, provided the infrastructure support. By that time there was no doubt that water pollution was a social issue and consequently a major activity in engineering and science. Norm had many ties throughout the USA and Professor P. H. McGauhey (UC Berkeley) was engaged to advise on the new program. I arrived in June, just after completing my doctorate, and the two of us had the go-ahead to start a program. Although I hadn't known Norm beforehand, we quickly formed a bond and formulated a master's degree academic program. Norm focused on students and teaching while my job was to get a research program underway. In 1968, Norm was awarded a training grant from the Federal Water Quality Administration (which became the Environmental Protection Agency in 1972) and our graduate student numbers ballooned to about 20 (from one in 1965-66). He administered the training grant program for some twenty years. Norm was instrumental in establishing what was to become a major graduate program in environmental engineering. Norm's work extended to operator training which was an urgent need at the time and through the 1970's. As is well known, water and wastewater treatment plants employ sophisticated processes that require large investments, which require trained operators. In Utah, Norm, through his persuasive style, was a leader in developing an effective operator-training program, working with both the Utah Water Environment Association (UWEA) and the Utah State Health Department. As he approached retirement in 1988, Norm was to see a maturing of wastewater treatment plant operation in Utah - and cleaner waters. In addition, Norm was one of the 32 Charter Members of the Association of Professors in Sanitary Engineering, founded in 1963 (which in 2011 became the Association of Environmental Engineering and Science Professors). Under Norm's patronage, I met about all who were involved in the organization at the time, since we attended the fall and spring meetings held in conjunction with the WEF Annual Conference and the Purdue Industrial Wastes Conference, respectively. In 1970, I went to Colorado State and Joe Middlebrooks and Don Porcella came and the program continued to expand.

In 1988 Norm and his wife Marcia retired to a golfing community in Palm Desert, CA where he was also a volunteer docent at the Palm Springs Air Museum. About 2003, they moved to St. George, Utah, which was near one of their two daughters. I felt a sharp loss when I learned of Norm's death through the alumni magazine, *Utah State* (Summer 2015), which brought to focus our friendship and collaboration. I thought back to Norm's recollection of his Navy flight training when he mentioned doing a night landing on a carrier and had hoped to survive the one time required. This reflected his wry sense of humor and understated but socially adept and influential personality.

—David Hendricks

James K. Edzwald, named Chair of Civil and Environmental Engineering at Clarkson University.

Jim earned a B.S. in Civil Engineering and M.S. in Environmental Health Engineering from the University of Maryland and the PhD in Water Resources Engineering from the University of North



Carolina, Chapel Hill. He was Assistant Professor from 1972-74 in the Department of Civil Engineering at the University of Missouri (Columbia). He joined the faculty at Clarkson University in 1974 in the Department of Civil and Environmental Engineering and served as Assistant Professor (1974-77), Associate Professor (1977-82), and Professor (1982-84). Jim joined the University of Massachusetts (UMass) in 1984 as Professor of Civil and Environmental Engineering. He served as Department Head from 1995-97 and retired from UMass in 2006 as Professor Emeritus. He also worked as Civil/Sanitary Engineer with the U.S. Army Corps of Engineers at the Washington Aqueduct Division, and he worked as an Environmental Engineer with the Federal Water Pollution Control Administration in Washington. Jim's research interests include water supply, drinking water treatment, physical chemical processes in water and wastewater treatment, and aquatic chemistry. He has received several publication awards and honors including from ASCE in 1987 the Samuel Arnold Greeley Publication Award and in 1984 the Walter L. Huber Civil Engineering Research Prize. He was Editor from 2000 to 2008 of the *Journal of Water Supply: Research and Technology (Aqua)*. He is the Editor and author of two chapters of the 6th edition of "Water Quality and Treatment", 2011, and he is an author of "Dissolved Air Flotation for Water Clarification", 2012. He was President of AEESP in 1983.

Dr. Mari Winkler Receives 2015 Paul L. Busch Award for Innovative Nitrogen Removal Research

In September, the Water Environment Research Foundation (WERF) awarded Dr. Mari Winkler of the University of Washington, with the 2015 Paul L. Busch award. With the \$100,000 prize, Dr. Winkler seeks to improve water reclamation.

Dr. Winkler's proposed research applies what has been learned from certain marine microorganisms to a new process in wastewater treatment. Her research can potentially lead to better effluent quality, reduced operational costs, space reduction, and lower greenhouse gas emissions in wastewater treatment plants if compared to currently applied technologies. Dr. Winkler, will research a novel combination of ammonium-oxidizing archaea found in seawater with granular activated sludge containing anaerobic ammonia oxidizing bacteria (Anammox) for mainstream biological nitrogen removal with minimal energy

and without dependence on external carbon.

Discovery of Anammox, and Ammonia Oxidizing Archaea, or AOA, are two of the most notable advancements in the global nitrogen cycle in the past two decades. In recent years, mainstream nitrogen removal by deammonification with partial ammonia oxidation and anammox has grown in popularity. Dr. Winkler's inspiration is to use AOA in new way; in Anammox based granular sludge integrated with Ammonia-Oxidizing Bacteria, or AOB. Dr Winkler's research offers an alternative approach to mainstream deammonification that may produce an effluent with a very low ammonia concentration, prevent nitrate production from nitrite-oxidizing bacteria, and provide additional energy savings. This research "would be the first work in wastewater treatment outside of anaerobic digestion that engineers a process with a consortium of bacteria and archaea microorganisms... the combination provides great advantages for mainstream nitrogen removal with anammox bacteria," states James L. Barnard, Ph.D, D.Ing.h.c., Pr. Eng. BCEE, WEF Fellow, Dist. MASCE of Black and Veatch.

Award Selection Committee members were im-

pressed with Dr. Winkler's work in the Biosystems Engineering Department at the Ghent University (BE) with Europe's most prestigious Post-Doctoral fellowship (Marie Curie). Dr Winkler received several prizes for her work (AEESP outstanding PhD dissertation award, Huber Technology prize, Jaap van de Graaf award, B-IWA industry award, ISME-IWA Biocluster award, Rhurverband water award). She joins a long list of extremely talented researchers dedicated to innovation in the water quality community who have received the Paul L. Busch award.

Each year, WERF recognizes an outstanding individual or team of individuals whose ongoing efforts contribute significantly to water quality research and its practical application in the water environment, with the prestigious Paul L. Busch Award. The award carries a \$100,000 grant from the WERF Endowment for Innovation in Applied Water Quality Research to support and promote work that will bring new benefits to the water quality community (utilities, industries, environmental firms) and the water-using public they serve. Applications for the 2016 award will be accepted through May, 2016. Visit www.werf.org/PaulBusch for more information.

NSF Funding: Question and Answer Session Monday February 29, 1:30 to 3:00 pm

The AEESP Government Affairs Committee invites you to participate in an informal, online question and answer session with Bill Cooper, Program Director for Environmental Engineering, and Bruce Hamilton, Program Director for Environmental Sustainability. This is an opportunity to ask questions on topics ranging from format submission guidelines to emerging topics of interest and funding trends at NSF. Please join us using the link below:

Join WebEx meeting

Meeting number: 747 188 072

Meeting password: Patrick1!



SUMMER 2016 INTERACT. EXPAND. ELEVATE.

8-WEEK COURSES IN ENVIRONMENTAL SCIENCE & ENGINEERING

NEW

CLIMATE CHANGE & ECOSYSTEM CONSERVATION

Dynamics between climate, forests and conservation practices

INSTRUCTOR

Lauren Oakes. Ecologist, Human-Natural Systems Scientist and Documentarian

NEW

SUSTAINABILITY DESIGN THINKING

Making sustainability compelling, impactful and realizable

INSTRUCTOR

Glenn Katz. Architectural Designer and AEC Education Specialist

CERTIFICATE

A certificate course of study is available to
Stanford Summer Session Visiting Students



Stanford

STANFORD UNIVERSITY
ENVIRONMENTAL & WATER STUDIES
SUMMER PROGRAM

June 20 - August 13, 2016

More info at ewssummer.stanford.edu



Microbial Ecology and Water Engineering

A joint conference of the IWA MEWE and Biofilm Specialist Groups

September 4-7, 2016



Copenhagen, Denmark
www.mewe2016.org



Please join us in Copenhagen for a joint conference of the IWA Microbial Ecology and Water Engineering (MEWE) and Biofilms specialist groups. The conference will address topics related to microbial ecology in engineered water systems, from drinking water to wastewater treatment including both applied and fundamental studies.

Keynote speakers

Michael Wagner, University of Vienna, Austria
Xianghua Wen, Tsinghua University, China
Kartik Chandran, Columbia University, USA
Mads Albertsen, Aalborg University, Denmark
Jennifer Martiny, University of California USA
Amy Pruden, Virginia Tech, USA
Adey Desta, Addis Ababa University, Ethiopia

Abstracts for oral or poster presentations can be submitted at www.mewe2016.org/Abstract. We request a 2 page extended abstract based on the template on our website. Abstracts not accepted for oral presentation will be considered for poster presentation. We are also soliciting proposals for workshops. Visit <http://www.mewe2016.org/Programme/Workshop> for more details.

For more information, visit our website or contact us by email:

www.mewe2016.org ♦ mewe2016@env.dtu.dk ♦ #mewe2016

Conference themes

We are especially soliciting abstracts that fall into the following themes:

1. Environmental biotechnology: Characterizing and applying recently discovered microbial physiologies
2. Systems biology approaches ('omics and related) for assessing microbial communities in water engineering
3. The ecology of antibiotic resistance genes in water engineering systems
4. New microbial processes for resource recovery, carbon capture and resource efficiency
5. Ecological frameworks for understanding microbial dynamics in water engineering applications
6. Microbial ecology in aerobic granular sludge processes
7. Pathogens and invasion in water engineering microbial communities: concepts and observations
8. Algal technology driven water engineering operations
9. New developments in microbiology of drinking water production and distribution
10. Viruses in water engineering microbial communities: Prevalence and consequences
11. Beneficial biofilms at membrane interfaces
12. Managing microbial communities: Full scale experience
13. Managing engineered biofilms: Real world experience

Location

Copenhagen is a compact, eco-friendly, efficient city which has repeatedly been named the 'World's most livable city'. With 1.9 million inhabitants, it is the largest city in Scandinavia and has attractions and sights that will appeal to all interests. See the website for local accommodation.

Supporting organisations

- DTU Environment
- DTU Systems Biology
- Marie Curie Mermaid ITN
- IWA
- Sponsors will be announced at www.mewe2016.org

Sponsorship opportunities are still available for this conference. Contact mewe2016@env.dtu.dk for details.

Travel grants

A number of travel grants are available for participants from low-income countries. See our website for details on eligibility and application procedures.

Registration fees	Before June 1	After June 1
IWA member	500 €	600 €
Non IWA	600 €	700 €
Student/YWP	400 €	450 €
LIC IWA member	400 €	500 €
LIC Non IWA	500 €	600 €
LIC student/YWP	350 €	400 €





Interested in the challenges of sustainability?

See the **PNAS Sustainability Science Portal**
sustainability.pnas.org

PNAS

www.pnas.org

Easily browse the latest high-profile research on the interactions between natural and social systems, and with how those interactions affect the challenge of sustainability.

AEESP Membership

Membership in AEESP offers important benefits to educators, researchers, students, professionals, corporations and organizations engaged in the environmental engineering and science profession. All who are eligible for membership are welcome to join the Association and to participate in the full range of benefits and opportunities. Membership categories and fees are described below, with complete definitions provided in the AEESP Bylaws. Applying online is easy! We welcome your participation!

Regular and Student Membership

Regular Membership in AEESP is open to persons of full-time faculty or instructional rank (instructors, lecturers, assistant, associate, full professors) in environmental engineering or environmental science at academic institutions that offer baccalaureate, diploma, or graduate degrees in environmental engineering, environmental science or related fields.

Rank	Annual Fee
Full Professors	\$100
Associate Professors	\$75
Assistant Professors	\$50
Affiliate Members	\$60
Students and Post-docs	\$15

Applying for Regular membership is made by submitting a completed application form and a brief two page curriculum vitae online with payment. Alternatively, application materials may be mailed to the Business Office with a check enclosed.

Affiliate Membership

Affiliate Membership is open to individuals who are not eligible for regular membership including:

- Individuals primarily employed outside academia who also hold academic appointments in an environmental engineering or related academic program (e.g. adjunct faculty).
- Individuals primarily employed outside academia who have made contributions to education in environmental engineering or related fields.
- Educators in environmental engineering or related fields who are employed at junior colleges or other educational institutions that do not offer the degrees specified above.
- Individuals who were members at one time and who have retired from active teaching.

Application for Affiliate membership is the same as for regular membership. The annual dues for Affiliate members are \$60.

Sustaining Membership

Sustaining Membership is open to individuals and organizations whose concern for education in environmental engineering and related fields stimulates them to assist in strengthening university programs devoted to this area. Sustaining members are often those who employ or interact closely with graduates of environmental engineering and science programs such as consultants, utilities, research foundations, professional organizations, publishers and equipment manufacturers. The financial support provided by Sustaining Members allows AEESP to carry out a variety of special programs that benefit all members of the profession. Sustaining Members have access to all AEESP publications and are invited to all AEESP events. Organizations or individuals desiring more information on Sustaining Membership should write to the Secretary, the President, or the Business Office.

Annual dues for sustaining members are \$500. Organizations or individuals desiring more information on sustaining membership should contact the Business Office at the phone number below.

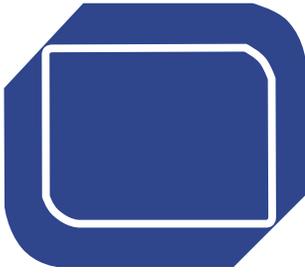
Ready to join? You can apply for membership online!

<https://aeesp.org/user/register>

More information can also be obtained from the AEESP Business Office:

Brian Schorr

AEESP Business Office
 1211 Connecticut Avenue, NW, Suite 650
 Washington, DC 20036
 Phone: (202) 640-6591
 Fax: (202) 223-5537
 email: bschorr@aeesp.org



Association of Environmental Engineering and Science Professors Newsletter

Steven Mylon, AEESP Newsletter Editor
Department of Chemistry
Lafayette College
Hugel Science Center
Easton, PA 18042
Phone: 610-330-5825
mylons@lafayette.edu

AEESP Officers

President

Gregory Characklis
Environmental Science and
Engineering
University of North Carolina
School of Public Health
CB 7431 Rosenau Hall
Chapel Hill, NC 27599-7431
Phone: (919) 843-5545
Fax: (919) 966-7911
charack@email.unc.edu

President-Elect

Peter J. Vikesland
Dept of Civil &
Environmental Engineering
Virginia Tech
415 Durham Hall
Blacksburg, VA 24061
Phone: (540) 231-3568
Fax: (540) 231-7916
pvikes@vt.edu

Vice-President

Linda K. Weavers
Civil, Environmental &
Geodetic Engineering
The Ohio State University
470 Hitchcock Hall
2070 Neil Avenue
Columbus, OH 43210
Ph: 614-292-4061
Fax: 614-292-3780
Email: weavers.1@osu.edu

Secretary

Ching-Hua Huang
School of Civil &
Environmental Engineering
Georgia Institute of
Technology
200 Bobby Dodd Way
Atlanta, GA 30332-0512
Phone: (404) 894-7694
Fax: (404) 385-7087
ching-hua.huang@ce.gatech.edu

Treasurer

Cindy Lee
Department of
Environmental Engineering
and Earth Sciences
Clemson University
Rich Laboratories
342 Computer Court
Anderson, SC 29625
Phone: (864) 656-1006
Fax: (864) 656-0672
lc@clemson.edu

AEESP Board of Directors 2015-2016

Greg Characklis, University of North Carolina, Chapel Hill
Shankar Chellam, University of Houston
Dionysios Demetriou Dionysiou, University of Cincinnati
Ching-Hua Huang, Georgia Tech
Cindy M. Lee, Clemson University
Gregory V. Lowry, Carnegie Mellon University
Jeanine D. Plummer, Worcester Polytechnic Institute
Maya Trotz, University of South Florida
Peter Vikesland, Virginia Tech
Linda K. Weavers, The Ohio State University

AEESP Committee Chairs

Awards – Lynn Katz, University of Texas Austin
Conference Planning – Jaehong Kim, Yale University
Conference Site Selection – Junko Munakata Marr, Colorado School of Mines
Education – Cindy Lee, Board Liaison, Clemson University
Fellows – Steven Chapra, Tufts University
Government Affairs – Patrick Gurian, Drexel University
Internet Resources Committee – Tyler Radniecki, Oregon State University
Lectures – Karl Linden, University of Colorado Boulder
Membership & Demographics – Lee Blaney, University of Maryland Baltimore County
Newsletter – Steven Mylon, Lafayette College
Nominating – John Tobiason, University of Massachusetts Amherst
Publications – Susan Masten, Michigan State University
Student Services – Philip Larese-Casanova, Northeastern University

AEESP Sustaining Members

ARCADIS, Doug Owen, White Plains, NY
ARCADIS/AEESP Frontier in Research Award

MWH, Anna Janssen, Denver, Colorado
MWH Outstanding Master's Thesis Awards

Carollo Engineers, P.C., Rick L. Chan, Walnut Creek, CA
AEESP Meet and Greet Reception at WEFTEC

Black & Veatch, Bob Hulsey, Kansas City, MO
AEESP Lecture at AWWA ACE

Brown and Caldwell, Maria Albert, Walnut Creek, CA
AEESP Lecture at WEFTEC Scientists Luncheon

American Water Works Association, Nancy Sullivan, Denver, CO
CH2M Hill, Brock McEwan, Englewood, CO
Environmental Engineering Sciences Journal, Vicki Cohn, New Rochelle, NY
Environmental Research & Education Foundation, Bryan Staley, Raleigh, NC
Geosyntec Consultants, Michael Kavanaugh, Oakland, CA
Greeley and Hansen, John Robak, Chicago, IL
Hazen and Sawyer, PC, William C. Becker, New York, NY
HDR Engineering, Debra Hempel, Tampa FL
Hydromantis, Inc., Malcolm Fabiyi, Chicago, IL
National Water Research Institute, Jeff Mosher, Fountain Valley, CA
IWA Publishing, Ian Morgan, London, U.K.
Sanitation Districts of Los Angeles County, Grace Hyde, Whittier, CA
Water Environment Federation, Anthony Krizel, Alexandria, VA
Water Environment Research Foundation, Carrie Capuco, Alexandria, VA
Water Research Foundation, Rob Renner, Denver, CO