



# AEESP Newsletter

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

May 2009

VOLUME 44 • NO. 2

2 AEESP News

8 Member News

12 Jobs

8, 11 Books

13 Conferences

## Highlights

LinkedIn and Facebook Groups for AEESP **PAGE 2**

2009–2010 AEESP Distinguished Lecture Series **PAGE 3**

AEESP Participates in Congressional Visits Day **PAGE 7**

AEESP Events at Other Conferences **PAGES 10 AND 14**

*Need to renew your 2009 AEESP membership? Go to "Join > membership 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 the editor, Joe Ryan, at [joseph.ryan@colorado.edu](mailto:joseph.ryan@colorado.edu). The next newsletter will appear in September, 2009.*

## President's Letter

Dear AEESP Members,

On behalf of the AEESP and the AEESP Foundation Boards of Directors, I am very pleased to announce that a significant milestone has been achieved in our goal of endowing the awards that our community presents for outstanding contributions to education and research in environmental engineering and science. CH2M Hill has made the first of three installments to endow the "CH2M-Hill/AEESP Outstanding Doctoral Dissertation Award." This endowment is the result of significant collaboration between AEESP Foundation Chair Phil Singer and several CH2M Hill associates, including Senior Vice President Glen Daigger, and Water Business Group Technology Director Brock McEwen. We are so pleased that even in this tough economic climate, CH2M Hill was willing to confirm their commitment to our organization by moving forward with the first installment that will sustain the Outstanding Doctoral Dissertation Award.

I would also like to point out that this is not the first AEESP award that has been endowed. Late last year, the endowment of a smaller award, the Virginia Tech Student Travel Award, was completed. This award was created in memory of students and faculty who lost their lives in the 2007 tragedy at Virginia Tech. This award was endowed through donations from our AEESP membership.

Over the coming years, AEESP and the AEESP Foundation will continue working together with our members and sustaining members to endow additional awards, including awards that are named after notable researchers and educators in our field. If you have an interest in fundraising or suggestions for additional awards, please feel free to contact Phil Singer ([psinger@email.unc.edu](mailto:psinger@email.unc.edu)) or me ([amyec@unr.edu](mailto:amyec@unr.edu)). If you would like to know more about

our current awards or about the AEESP Foundation, please see the Foundation website, <http://www.aeespfoundation.org/>.

The AEESP Board has also been working closely with Allen Davis and the government affairs committee to determine how we can have more of a presence in the political arena. One activity we are considering is the development of policy statements, similar to those that exist for other major organizations. These statements are typically 500-word articles about particular issues that are endorsed by the organization and are used to guide policy agendas. If you have interest in providing input in development of these statements, please contact Allen Davis ([apdavis@umd.edu](mailto:apdavis@umd.edu)). Furthermore, several members of the Board and the government affairs committee attended Congressional Visits Day in Washington, DC. Congressional Visits Day is an annual event that brings scientists, engineers, researchers, educators, and technology executives to Washington to raise visibility and support for science, engineering, and technology. See the article in this newsletter.

We are pleased that AEESP stands on a solid foundation that allows us to focus our efforts on future goals such as award endowments and influencing policy decisions in our field. If you are interested in learning more about these activities—or other activities of AEESP—please make your plans to attend the AEESP 2009 Research and Education Conference at the University of Iowa, July



Amy E. Childress

*continued on page 3*



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/publications\\_newsletter.php](http://www.aeesp.org/publications_newsletter.php)

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

Joe Ryan, AEESP Newsletter Editor  
Civil, Environmental, and Architectural Engineering  
University of Colorado, 428 UCB  
Boulder, Colorado 80309-0428  
PHONE: (303)492-0772; FAX: (763)374-6840  
EMAIL: [joseph.ryan@colorado.edu](mailto:joseph.ryan@colorado.edu)

**Letters to the president may be sent to:**

Amy E. Childress, Ph.D.  
Civil & Environmental Engineering, MS 258  
University of Nevada, Reno  
Reno, NV 89557-0152  
PHONE: (775) 784-6942; FAX: (775) 784-1390  
[amyec@unr.edu](mailto:amyec@unr.edu)

**Please send address changes to:**

Joanne Fetzner  
AEESP Business Office  
2303 Naples Court  
Champaign, IL 61822  
[joanne@aeesp.org](mailto:joanne@aeesp.org) (or [jfetznr@illinois.edu](mailto:jfetznr@illinois.edu))

**AEESP Membership Application online:**

[www.aeesp.org/membership/AEESP\\_member\\_app.pdf](http://www.aeesp.org/membership/AEESP_member_app.pdf)



This newsletter is printed using soybean-based ink and 100% post-consumer recycled paper.

## AEESP Student Services Committee Invites You to Join Us on LinkedIn and Facebook

Contributed by ANDREW WHELTON

The AEESP Students Services Committee is pleased to announce the formation of LinkedIn and Facebook Groups for AEESP. We invite you and your students to join us in connecting with AEESP colleagues and enjoying the benefits of these environments.

We anticipate that AEESP LinkedIn will gradually expand to provide current, prospective, and past AEESP members an opportunity to enhance their productivity. LinkedIn is not just a professional networking site—it also enables you to manage your information, find potential collaborations and business opportunities, and gain insights from discussions with other members in private settings. To sign up for the AEESP LinkedIn group, go to [www.linkedin.com](http://www.linkedin.com) and search for the group “Association of Environmental Engineering and Science Professors.” To learn more, visit <http://press.linkedin.com/about> or watch a two-minute tutorial on YouTube (<http://www.youtube.com/watch?v=IzT3JVUGUzM>). Personal information is not accessible through LinkedIn. Please contact Andrew Whelton ([ajwhelton@gmail.com](mailto:ajwhelton@gmail.com)) with any questions.

To become a member of the AEESP Facebook group, simply search for “AEESP” at [www.facebook.com](http://www.facebook.com) and click on ‘join this group.’ The group is currently set up as open to anyone and is not being moderated. Please contact Defne Apul ([defne.apul@utoledo.edu](mailto:defne.apul@utoledo.edu)) with any questions.

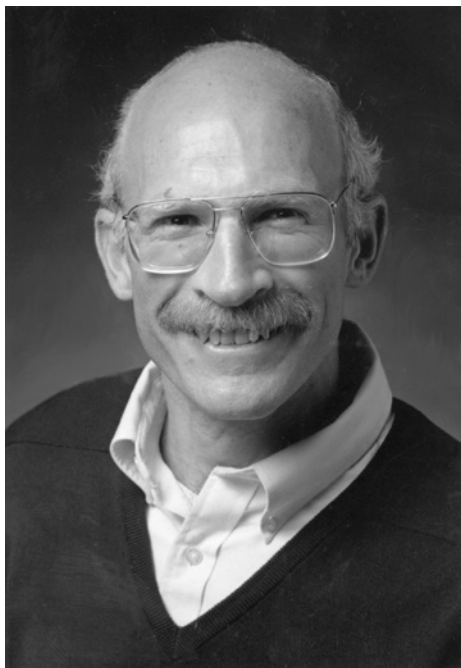
The Student Services Committee looks forward to seeing you in these online environments.

### AEESP Student Services Committee Members

- Defne Apul (Chair)—Civil Engineering, University of Toledo
- Dan Giammar—Energy, Environmental, and Chemical Engineering, Washington University in St. Louis
- Ramesh Goel—Civil and Environmental Engineering, University of Utah
- Qilin Li—Civil and Environmental Engineering, Rice University
- Irina Lukicheva—Ph.D. candidate, Civil, Architectural, and Environmental Engineering, Illinois Institute of Technology
- Krishna Pagilla—Civil, Architectural, and Environmental Engineering, Illinois Institute of Technology
- Andrew Ramsburg—Civil and Environmental Engineering, Tufts University
- Zhiyong (Jason) Ren—Environmental and Sustainability Engineering, University of Colorado at Denver
- Nathalie Tufenkji—Chemical Engineering, McGill University
- Andrew Whelton—Ph.D. Candidate, Civil Engineering, Virginia Tech
- Fu Zhao—Mechanical Engineering, Purdue University

## AEESP Distinguished Lectures for 2009–2010 by Dr. Mark Benjamin

The AEESP Distinguished Lectures committee is delighted to announce that Dr. Mark M. Benjamin will be the 2009–2010 AEESP Distinguished Lecturer. Mark Benjamin is a professor in the Department of Civil and Environmental Engineering at the University of Washington in Seattle. He received a B.S. degree in Chemical Engineering from Carnegie Mellon University and M.S. and Ph.D. degrees in Chemical and Civil Engineering, respectively, from Stanford University. Dr. Benjamin's research interests include physical-chemical treatment processes, natural organic matter chemistry and behavior in water treatment systems, adsorption and ion exchange, membrane-based technologies for water and wastewater treatment, removal of metals from water, and formation of chlorinated disinfection by-products.



The fall lecture tour dates for the AEESP Distinguished Lectures by Dr. Benjamin are September 14 to October 30, 2009. The spring lecture tour dates are April 12 to April 30, 2010, for any host institutions that cannot be accommodated in the fall. Dr. Benjamin plans to offer the following lectures and a discussion:

**1. *Micro-granular adsorptive membrane filtration: A whole new world of treatment technologies?*** In this talk, Dr. Benjamin will describe the unexpected trajectory of some of his recent research, which started as an investigation of how adsorbents can protect membranes from NOM-induced fouling, but has evolved into a study that asks the question: Can membranes serve as essentially

inert supports for miniaturized packed-bed treatment processes that have been shrunk from the scale of meters to <1 mm?

**2. *Simplifying the complex world of adsorption: Unifying isotherm and competitive adsorption models:*** This talk is based on thoughts Dr. Benjamin developed in his effort to write a comprehensive chapter on adsorption for a current book project with Desmond Lawler on physical-chemical treatment processes. Dr. Benjamin will show how the linear, Langmuir, Freundlich, and Polanyi isotherms can be described in a unified framework, and how the Ideal Adsorbed Solution Theory can be applied to interpret competition among adsorbates that obey any of these isotherms.

**3. *In addition to the regular lectures,*** Dr. Benjamin has expressed interest in discussions with faculty and doctoral students on environmental engineering and science (EES) pedagogy and on the role of organizations like Engineers Without Borders in EES curricula at the host schools.

Institutions that would like to host Dr. Benjamin must send in an application by May 29, 2009. Application forms and lecture details can be downloaded from the AEESP website ([www.aeesp.org](http://www.aeesp.org)) or are available on request from Dr. Sarina Ergas ([ergas@ecs.umass.edu](mailto:ergas@ecs.umass.edu)). A biographical sketch for Dr. Benjamin and abstracts of the lectures can also be found at the AEESP homepage.

### *President's Letter, continued*

26–29. We have had a great response to the call for abstracts and the conference organizers have developed an outstanding lineup of plenary and banquet speakers. And the sooner you register—the better chance you'll have for booking a room with a view of the Iowa River!

If you have any questions about how you can become involved with AEESP, feel free to contact me or one of the other members of the AEESP Board. I look forward to seeing you in Iowa City this summer.

### **AEESP e-Newsletters**

*Want to go paperless for the AEESP Newsletter? If you wish to receive only the link for obtaining an electronic copy of the Newsletter, send a brief message to Joanne Fetzner at [joanne@aeesp.org](mailto:joanne@aeesp.org) and we will remove you from the mailing list beginning with the September 2009 issue.*

## AEESP 2009 Conference on Grand Environmental Challenges

We are happy to report that we have had a successful call for abstracts for the AEESP 2009 conference on Grand Challenges in Environmental Engineering and Science and have some exciting sessions planned for you. The full technical session will be available at the Conference website ([www.aeespiowa.org](http://www.aeespiowa.org)) by May 1, 2009. The conference will be held at The University of Iowa on July 26–29, 2009.



We also have several outstanding plenary and banquet speakers lined up, including Joan Rose (Michigan State University), Jerry Schnoor (University of Iowa), and Marc Edwards (Virginia Tech). Jerry will give an overview of the Grand Environmental Challenges on Monday morning and Joan will tell us about her investigations of waterborne outbreaks on Tuesday morning. Marc will give us an insider look at the recent concerns about lead in DC drinking water at the Tuesday evening banquet.

We have also finalized six workshops for the Sunday before the conference:

- **Navigating the Academic Job Search:** guidance for graduate students and postdoctoral researchers seeking academic positions, organized by the AEESP Student Services Committee (see article in this newsletter)
- **Getting Things Done:** a workshop based on David Allen's books

- **Integrating Sustainability into Environmental Engineering**
- **National Science Foundation Career Awards**
- **National Institute of Environmental Health and Safety Superfund Centers**
- **Challenges in Environmental Engineering Education**

For more details on the workshops, please see the flyers posted at the [www.aeespiowa.org](http://www.aeespiowa.org) website.

Many thanks to our current sponsors, including Strand Associates Inc., Hazen and Sawyer, the Environmental Research and Education Foundation, the Center for Global and Regional Environmental

Research, the Center for Health Effects of Environmental Contamination, and the National Science Foundation, for all their support.

We hope to see everyone this summer! And, don't forget **early registration ends June 5th.**

### AEESP 2009 Organizing Committee

Michelle Scherer (chair)  
 Craig Just (co-chair)  
 Tim Mattes (co-chair)  
 Keri Hornbuckle  
 Gene Parkin  
 Jerry Schnoor  
 Rich Valentine

## Workshop on Navigating the Academic Job Search for Graduate Students and Postdoctoral Researchers

The AEESP Student Services Committee is organizing a workshop on navigating the troubled waters of the search for an academic position at the AEESP 2009 Conference at the University of Iowa (July 26–29, 2009). Workshop participants will learn about the process and timelines for conducting an academic job search. Participants will interact with professors from different institutions to get perspectives on job expectations. Through small group workshop activities facilitated by professors, participants will review and receive comments on their draft documents that comprise an application for a faculty position. Participants will expand their network of peers and mentors and will lay the foundation for continued interactions through online formats.

The workshop will include presentations by and panel discussions with David Cwiertny (University of California Riverside), Keri Hornbuckle (University of Iowa), Margaret Lang (Humboldt State University), Marty St. Clair (Coe College), Jeanne Van Briesen (Carnegie Mellon University), Peter Vikesland (Virginia Tech), and Kris Wammer (University of St. Thomas).

Graduate students and postdoctoral researchers interested in the workshop should contact Daniel Giammar ([giammar@wustl.edu](mailto:giammar@wustl.edu)), a member of the Student Services Committee. Workshop attendance will be limited to 30 participants; the workshop may already be full by the time this newsletter is distributed. Please note that participants must register for this workshop in addition to registering for the AEESP Conference.

## AEESP Spring 2009 Board Meeting Highlights

Submitted by NANCY LOVE

The AEESP board of directors met at the University of South Florida campus in Tampa on March 19 and 20, 2009. We were graciously hosted by Jim Mihelcic and joined by Joanne Fetzner who manages the AEESP Business Office.

- The membership renewal rate is at 90%. This reflects a high level of satisfaction with AEESP. We see an increase in the number of people who are using the new option to renew for multiple years.
- The board has approved use of a new travel reimbursement policy for award recipients to keep AEESP in compliance with IRS rules for nonprofit organizations. The policy is for payments made to Conference Speakers whose lectures are sponsored by Sustaining Members of AEESP and AEESP award recipients who attend the award ceremony and receive travel support. Recipients must choose to have their travel expenses handled as a reimbursement (receipts required, no IRS Form 1099 filed because it is not earned income) or as an honorarium (simple payment of travel amount allotted for the award, IRS form 1099 filed to reflect earned income). All travel checks will be written after the awards ceremony occurs.
- The Membership Committee will be reviewing the criteria for Lifetime Membership versus Emeritus Membership.
- The Board held a conference call with Deb Reinhart, the President of the American Association of Environmental Engineers (AAEE), to discuss the AAEE Body of Knowledge document. AEESP had provided comments and the board wanted clarification about how those comments were considered. Deb Reinhart reported that AAEE did read and consider the AEESP comments. The new Body of Knowledge was finalized and released in January. There is a link to that document on the AEESP website through the Education page. AAEE is field testing a survey instrument related to the AAEE Body of Knowledge that will assess performance metrics identified in the Body of Knowledge. The AAEE Education Committee will evaluate what role, if any, the Body of Knowledge will play in defining future Accreditation Board of Engineering and Technology (ABET) criteria. The AEESP Board will have a breakfast meeting with Deb Reinhart during the AEESP Conference this summer in Iowa to discuss next steps and other collaborations with AAEE.
- The Board had a conference call with Jeff Dozier, the Director of the WATERS Network. He reported that the Science Plan is undergoing major revisions and will reflect example test beds that are being developed as examples. The Plan will be reviewed by the National Research Council this summer prior to being submitted to the National Science Foundation. Jeff will present an update on the WATERS Network at the AEESP Conference this summer.
- A discussion will be held with sustaining members at the AEESP conference this summer regarding the possibility of starting a Society of Environmental Engineers, to collect their thoughts about whether now is a good time to start such a society.



*The AEESP Board of Directors met at the University of South Florida in Tampa, Florida, in March, 2009: front row, left to right: Nancy Love, Margaret Lang, Jeanne VanBriesen, and Keri Hornbuckle; back row, left to right: William Cooper, Joel Burken, Amy Childress, Angela Bielefeldt, Joanne Fetzner (Business Office Manager), and Peter Adriaens; not pictured: Daniel Oerther.*

## AEESP Foundation Update

Contributed by PHILIP C. SINGER

When the AEESP Foundation was created four years ago, one of its goals was to develop an endowment program to sustain the various awards made by AEESP. The Foundation is pleased to report that CH2M Hill has agreed to endow the *CH2M Hill/AEESP Outstanding Doctoral Dissertation Award*. The Award will be made annually for the outstanding doctoral dissertation that contributes to the advancement of environmental science and engineering. Full funding of the endowment is anticipated within the next three years. AEESP and the AEESP Foundation are grateful to CH2MHill for their continued support of AEESP.

The AEESP Foundation Board is working with other organizations and individuals to endow the other awards that AEESP has historically given and in establishing new awards recognizing contributions to environmental engineering education and research. Anyone interested in the establishment of an endowment should contact one of the Foundation Board members: Phil Singer ([psinger@email.unc.edu](mailto:psinger@email.unc.edu)), Peter Adriaens ([adriaens@umich.edu](mailto:adriaens@umich.edu)), Angela Bielefeldt ([angela.bielefeldt@colorado.edu](mailto:angela.bielefeldt@colorado.edu)), Jeanne VanBriessen ([jeanne@andrew.cmu.edu](mailto:jeanne@andrew.cmu.edu)), Bill Cooper ([wcooper@uci.edu](mailto:wcooper@uci.edu)), Dick Luthy ([luthy@stanford.edu](mailto:luthy@stanford.edu)), or Pat Brezonik ([brezonik@umn.edu](mailto:brezonik@umn.edu)).

Donations to the AEESP Foundation are welcomed at any time and can easily be made at the time of AEESP membership renewal.

## National Science Foundation International Workshop on Delivering Sustainable Infrastructure that Supports the Urban Built Environment

Submitted by JAMES R. MIHELICIC

A workshop devoted to sustainable infrastructure was held in New Zealand in December, 2008. The workshop was supported by the National Science Foundation (NSF). Participants came from the United States, the United Kingdom, Australia, New Zealand, and Taiwan. Participants from the U.S. supported by the NSF were James Mihelcic, Julie Zimmerman, Lionel Lyles, Patricia Culligan, Marc Edwards, Patricia Gallagher, Susan Handy, Jerald Schnoor, Annie Pearce, Maya Trotz, Karen Reeder-Emory, Valerie Fuchs, and Sarah Miller. Other U.S. participants were Terry Collins and Paul Anastas. A workshop website that contains all of the presentations, notes, and outcomes is available at <http://sustainableinfrastructure.typepad.com/>.

The workshop objectives were to (1) identify priorities and develop an action plan for research into sustainable infrastructure related to the urban built environment and (2) identify and prioritize international collaborative research projects. Presentations were designed to provide a forward-thinking view of sustainable infrastructure that supports the built environment. The topics included centralized versus decentralized infrastructure,



*Participants in the NSF-sponsored Workshop on Sustainable Infrastructure that Serves the Built Environment held on December 15–17, 2008, at the Waiheke Island Resort in Auckland, New Zealand.*

*continued on next page*

### **Table 1. Research Projects developed at the Workshop on Sustainable Infrastructure.**

#### **Research Project Title**

- 1) Foundation of Infrastructural Resiliency for Environment and Humans Operating Sustainably
- 2) Sustainable Construction Material Development and Selection
- 3) Sustainable Mega-Buildings: Opportunities and Limits
- 4) Scenario Mapping to Provide Infrastructure to Megacities
- 5) Evaluating the Role of Hybrid Multi-Scale Water, Energy, and Food Infrastructure Systems in Urban Sustainability
- 6) Infrastructure in a Carbon Constrained World: Actions for a 20–40% Greenhouse Gas (GHG) Reduction by 2020
- 7) The Social Context of Sustainable Infrastructure Delivery

## AEESP Participates in Congressional Visits Day 2009

Contributed by ALLEN DAVIS

buildings and construction, designing for the future, and infrastructure issues related to a particular global region so participants would be better able to “internationalize” research ideas.

On the first day, breakout groups developed handwritten posters on a particular research topic, presented their posters, and received input from the larger group. Research project descriptions were refined, finalized, and augmented into a short project summary (Table 1). During the second day, the breakout groups revisited their research project, and rewrote it to include an international component that allowed for context-specific research questions and accounted for variation related to demographics, culture, and geography. Project summaries were also developed in an attempt to identify potential international collaborations. On the third day, groups reconvened and performed a peer evaluation of the project descriptions. The final peer evaluations were presented to the larger workshop group and the specific research groups. Individual workshop groups then had time to finalize their proposed research projects.

On April 29, 2009, Jeanne VanBriesen, Joel Burken, Allen Davis, and AEESP President Amy Childress visited the offices of fourteen members of the U.S. Congress as part of the official Congressional Visits Day.

Our primary goal was to communicate our message that federal support for science and technology research and education is important for the economic health of the nation. We specifically expressed our support for funding increases for the National Science Foundation and U.S. Environmental Protection Agency extramural research, including the Science to Achieve Results (STAR) fellowship program. Our discussion also included House Bill HR 1145, the National Water Research and Development Initiative Act of 2009.

As a closing statement, the expertise of AEESP was offered as a resource to assist with complex environmental issues. Our visits were met with generally positive response. Follow-up contacts were made with Sen. Specter’s office on several environmental issues.

The AEESP delegation visited the offices of Senators Robert Casey and Arlen Specter (Pennsylvania), Christopher Bond and Claire McCaskill (Missouri), Benjamin Cardin (Maryland), and John Ensign and Senate Majority Leader Harry Reid (Nevada). House offices included House Majority Leader Steny Hoyer (Maryland, 5th) and Representatives Elijah Cummings (Maryland, 7th), Mike Doyle (Pennsylvania, 14th), Jo Ann Emerson (Missouri, 8th), Dean Heller (Nevada, 2nd), Tim Murphy (Pennsylvania, 18th), and John Sarbanes (Maryland, 3rd).

A highlight of the day was the visit to Rep. Tim Murphy, who represents Jeanne VanBriesen’s home district. When Jeanne and Joel were discussing some of the interactions between water and energy systems, Rep. Murphy pulled out a bill on a greenhouse gas cap and trade plan that he is authoring with Rep. Neil Abercrombie of Hawaii. He noted that the revenue generated from carbon taxes needs to be directed back to environmental projects. He marked the bill to note points made in the discussion, handed the marked up copy to an aide, and stated “Make sure that gets into the bill.”

Congressional Visits Day is sponsored by the Science, Engineering, and Technology Group ([www.setcvd.org](http://www.setcvd.org)) of which AEESP is a member.

*(right) AEESP goes to Washington! From left to right, AEESP Board Member Joel Burken (Missouri S&T), Governmental Affairs Committee Chair Allen Davis (University of Maryland), President Amy Childress (University of Nevada-Reno), and Secretary Jeanne VanBriesen (Carnegie Mellon) in front of the U.S. Capitol Building on April 29, 2009.*



## Jeanine Plummer Named Massachusetts Professor of the Year

**Jeanine D. Plummer** of Worcester Polytechnic Institute (WPI) was named Professor of the Year for Massachusetts by the Council for the Advancement and Support of Education (CASE) and the Carnegie Foundation for the Advancement of Teaching. Plummer, an Associate Professor of Civil and Environmental Engineering and Director of the university's Environmental Engineering Program, was recognized as one of the nation's most outstanding undergraduate instructors. Plummer and other awardees were recognized at a luncheon in Washington, DC in November 2008. She is the third WPI professor to receive this honor in the past six years.



Jeanine D. Plummer

Plummer received a B.S. degree in Civil and Environmental Engineering from Cornell University. With fellowships from the National Science Foundation and Environmental Protection Agency, she earned her M.S. in Environmental Engineering and Ph.D. in Civil Engineering from the University of Massachusetts at Amherst. Since joining the WPI faculty in 1999, she has received the WPI Board of Trustees' Awards for Outstanding Advising (2005) and Outstanding Teaching (2006). In 2009, she was selected as the inaugural recipient of the Schwaber Professorship in Environmental Engineering at WPI and appointed as a Trustee in the Water Science and Research Division of the American Water Works Association. In her research, Plummer explores tools to identify sources of fecal contamination in watersheds and to distinguish between human and non-human fecal inputs. She also studies innovative strategies to inactivate pathogens and improve microbial water quality.

**Order today and save 20% on the 21st Edition\***

# STANDARD METHODS

**FOR THE EXAMINATION OF WATER & WASTEWATER**



### What you need to succeed

- The current best practice for testing water and wastewater quality and properties
- More than 400 consensus-approved methods
- 100+ USEPA-approved methods
- Ensure accurate analysis and regulatory compliance
- Eight full-color pages of aquatic algae illustrations
- More than 300 superbly illustrated figures

### How to Order

ISBN No.	Member Price: (APHA, AWWA, WEF)	List Price:
978-0-87553-047-5	-\$185- \$148	-\$250- \$200

	APHA Members	AWWA Members	WEF Members
Online	<a href="http://www.aphabookstore.org">www.aphabookstore.org</a>	<a href="http://www.awwa.org/bookstore">www.awwa.org/bookstore</a>	<a href="http://www.wef.org/Marketplace">www.wef.org/Marketplace</a>
E-mail	<a href="mailto:apha@pbd.com">apha@pbd.com</a>	<a href="mailto:custsvc@awwa.org">custsvc@awwa.org</a>	<a href="mailto:pubs@wef.org">pubs@wef.org</a>
Phone	1-888-320-APHA	1-800-926-7337	1-800-666-0203



American  
Public Health  
Association



American Water Works  
Association



Water Environment  
Federation  
the water quality people™

\*Discount applies to member and list prices and cannot be combined with any other offer. Promotion begins on May 1, 2009 and ends on August 31, 2009.

ADVERTISEMENT

## Kurt Pennell Joins Tufts School of Engineering

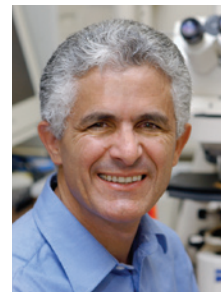
**Dr. Kurt Pennell** has been appointed Professor and Chair of the Department of Civil and Environmental Engineering at Tufts University, effective June 2009. Dr. Pennell (Ph.D., University of Florida, 1990) comes to Tufts University from the Georgia Institute of Technology where he was a Professor in the School of Civil and Environmental Engineering and an Adjunct Professor in the Department of Neurology at the Emory University School of Medicine. Dr. Pennell will bring an active research program that addresses the environmental fate and neurotoxicity of engineered nanomaterials, groundwater remediation technologies, the role of persistent organic pollutants in neurodegenerative disease, and the influence of neuroactive steroids on seizure frequency. He will join Linda Abriola and Andrew Ramsburg as part of the Integrated Multiphase Environmental Systems (IMPES) laboratory and will maintain his affiliation with Emory University, where he is an investigator in the Parkinson's Disease Collaborative Environmental Research Center (PD-CERC). Dr. Pennell currently serves as an associate editor for the *Journal of Contaminant Hydrology*. He has received awards for research, teaching, and student advising. He is a registered professional engineer in the State of Georgia and is a board-certified environmental engineer. For additional information about the Civil and Environmental Engineering and IMPES laboratory at Tufts University, please visit <http://engineering.tufts.edu/cee/impes/>.



Kurt Pennell

## Elimelech Receives the AIChE Lawrence K. Cecil Award

**Professor Menachem (Meny) Elimelech** received the 2008 Lawrence K. Cecil Award from the American Institute of Chemical Engineers (AIChE) for outstanding contributions to the fields of chemical and environmental engineering. The award ceremony took place at the annual AIChE meeting in Philadelphia on November 19, 2008. Professor Elimelech presented a lecture titled "Science and Technology for Sustainable Water Supply" under the auspices of the award, which is sponsored by BP America.



Menachem (Meny) Elimelech

Elimelech, the Roberto Goizueta Professor of Environmental and Chemical Engineering in Yale's School of Engineering and Applied Science, is chair of the Chemical Engineering Department and Director of the Environmental Engineering Program. He currently serves on the editorial advisory boards of *Colloids and Surfaces A*, *Desalination*, *Environmental Engineering Science*, *Langmuir*, and *Separation Science and Technology*. Elimelech was elected to the National Academy of Engineering in 2006 and has received numerous awards, including the Athalie Richardson Irvine Clark Prize in 2005.

## Marc Beutel of Washington State University Receives NSF CAREER Award

**Marc Beutel**, an assistant professor in the Department of Civil and Environmental Engineering at Washington State University, received a National Science Foundation CAREER grant to better understand how toxic mercury accumulates in lakes.

With the five-year, \$400,000 award, Beutel and his research group are studying how key environmental factors, particularly the amount of dissolved oxygen in a lake, affect the cycling of toxic mercury.

The CAREER award follows up on preliminary work done at Twin Lakes, near Inchelium, Washington, with support from the Confederated Tribes of the Colville Reservation. Beutel surmises that dissolved oxygen pumped into the bottom of a lake may repress the ability of



Marc Beutel

bacteria to transform inorganic mercury into toxic organic mercury in lake bottom water and sediments. Using one of the Twin Lakes as a reference, the researchers are using an engineered system to add pure oxygen gas to the other lake. The grant provides funds for acquisition of laboratory equipment and to perform related experiments. Beutel and his group will also be working with high school students from nearby Lake Roosevelt High School.

"We will be working to promote American Indian high school student participation in authentic environmental engineering research and to ultimately recruit students into environmental engineering and science programs in the Pacific Northwest," said Beutel.

Beutel holds a master's and doctoral degree in civil and environmental engineering from the University of California, Berkeley, and a bachelor's degree in civil engineering from the University of California, Los Angeles.

## Linda Phillips and James Mihelcic Join University of South Florida

The University of South Florida is pleased to announce the hiring of Linda Phillips and James R. Mihelcic this past school year. Both bring years of experience in sustainability and international development to the USF education and research portfolio that exists in these areas.

**Linda Phillips** is a Lecturer and Patel Associate in the Department of Civil and Environmental. Linda has over twenty years of experience working in construction management; she was a vice president for Planmark Architects and Engineers. Since 1997, Linda has taught at Virginia Tech, the University of Minnesota, and Michigan Tech, where she taught Project Management, Professional Practice, and Capstone Design. At the University of South Florida, she teaches International Capstone Design (<http://cee.eng.usf.edu/ICD>) with her husband Dennis Magolan. Linda is a co-author and illustrator



*Linda Phillips at construction site her students work on in Santa Cruz, Bolivia. Linda directs the International Capstone Design course at the University of South Florida.*



*James Mihelcic at Copan Ruinas, Honduras. James directs the Peace Corps Master's International Program at the University of South Florida.*

of *Field Guide in Environmental Engineering for Development Workers: Water, Sanitation, Indoor Air* (ASCE Press, 2009).

**Jim Mihelcic** is a Professor of Civil and Environmental Engineering and a State of Florida 21st Century World Class Scholar. His teaching and research are in the areas of green engineering, sustainable development, and global water/sanitation. He founded the first

*continued on next page*

### AEESP Events at WEFTEC in October



#### AEESP/WEF Lecture

Monday, October 12, 10:30 am

#### *Facts and Fallacies of BNR Wastewater Treatment with a Look to the Future*

**Dr. Clifford W. Randall**

C. P. Lunsford Professor Emeritus  
Virginia Tech

Orange County Convention Center  
Orlando, Florida

*Sponsored by Camp, Dresser and McKee*

#### AEESP/WEF Scientist's Luncheon

Monday, October 12, 11:30 am–1:30 pm

**Dr. Thomas L. Crisman**

Patel Professor of Environment  
University of South Florida

#### *Ecohydrological Approaches to Balancing Human and Ecosystem Needs for Sustainable Management of Water Resources*

*Sponsored by Brown and Caldwell*

#### AEESP Meet and Greet

5:00–7:00 pm

The Peabody Orlando  
Orlando, Florida

*Sponsored by Carollo Engineers P.C.*

## Lars Angenent Joins Biological and Environmental Engineering at Cornell

Master's International program in Civil & Environmental Engineering in 1997 and now directs such a program at the University of South Florida (<http://cee.eng.usf.edu/peacecorps>). He is the lead author of three textbooks: *Fundamentals of Environmental Engineering* (Wiley, 1999), *Environmental Engineering: Fundamentals, Design, Sustainability* (Wiley, 2009), and *Field Guide in Environmental Engineering for Development Workers: Water, Sanitation, Indoor Air* (ASCE Press, 2009)

**Dr. Largus (Lars) T. Angenent** has joined the Department of Biological and Environmental Engineering at Cornell University as an associate professor after six years on the faculty at Washington University in St. Louis. Dr. Angenent holds a Ph.D. degree in Environmental Engineering from Iowa State University, an M.S. degree in Environmental Technology/ Microbiology from Wageningen University in the Netherlands, and a B.S. degree in Environmental Sciences from Wageningen University. Dr. Angenent's research focuses on bioenergy – optimizing biological anaerobic fermentation processes to foster undefined mixed cultures that convert wastes into energy carriers, such as methane, electrical current, hydrogen, or substrates for the liquid biofuel butanol. In this area, the Angenent lab focuses on improving the performance and stability of anaerobic digesters, on novel microbial fuel cell configurations, and on the optimization of anaerobic fermentation. When necessary, molecular biology techniques are used in conjunction with long-term bioreactor studies. The lab also focuses on bioaerosols – using molecular biology techniques to unravel the composition of bioaerosols and designing engineering controls to reduce the exposure of bioaerosols to humans. Dr. Angenent is a member of the International Water Association, the Association of Environmental Engineering and Science Professors, the American Society for Microbiology, the American Association for the Advancement of Science, and the American Institute of BioEngineering.



Lars Angenent



Publishing

*New for 2009 from  
IWA Publishing*

### New Journal of Water and Climate

IWA Publishing launches in 2009 a new journal *Water and Climate* devoted to publishing papers on all aspects of water science, technology, management and innovation in response to climate change. Full details of the journal can be found at [www.iwaponline.com/jwc](http://www.iwaponline.com/jwc).



We invite the submission of new papers through our online submission system – please go to the website above or contact the journal's manager Emma Gulseven ([egulseven@iwap.co.uk](mailto:egulseven@iwap.co.uk)) for guidelines. For subscription information please contact Ian Morgan, Marketing Manager ([imorgan@iwap.co.uk](mailto:imorgan@iwap.co.uk)).

*Water and Climate*: ISSN 2040-2244. Vol 1, 4 issues

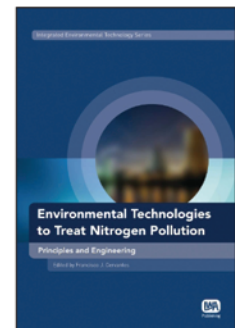
Further information at  
[www.iwapublishing.com](http://www.iwapublishing.com)

### New from IWA Publishing:

#### Environmental Technologies to Treat Nitrogen Pollution

*Principles and Engineering*

Editor: Francisco J. Cervantes  
May 2009 • ISBN: 9781843392224  
Pages: 300 • Hardback  
Full Price: \$178.00



#### *Environmental Technologies to Treat Nitrogen Pollution* provides a thorough

understanding of the principles and applications of environmental technologies to treat nitrogen contamination. The book brings together an up-to-date compilation of the main physical, chemical and biological processes demanded for the removal of nitrogenous contaminants from water, wastewater, leachates and off-gasses. It includes a series of chapters providing a deep and broad knowledge of the principles and applications required for the treatment of nitrogen pollution. Each chapter is prepared by recognized specialists across the range of different aspects involved in the removal of nitrogenous contaminants from industrial discharges.

#### Ordering Information:

IWA Publishing, c/o BookMasters Inc  
30 Amberwood Parkway, Ashland, OH 44805  
Tel: 1-800-247-6553 (or 1-419-281-1802 from Canada)  
Fax: 1-419-281-6883 Email: [order@bookmasters.com](mailto:order@bookmasters.com)

## ***Faculty Position in Water Resources/Environmental Engineering at New Mexico State University***

The Civil Engineering Department at New Mexico State University (NMSU) invites applications to fill position Req. #2009001443, a 9-month tenure-track position at the Associate Professor level. Primary responsibilities include teaching undergraduate and graduate courses in fundamental and advanced Environmental Engineering; developing and sustaining research programs in the applicant's area of expertise, and recruiting and supervising M.S. and Ph.D. candidates. Expertise appropriate for teaching environmental chemistry is desirable. A demonstrated record of good teaching, funded research, and production of scholarly publications, and successful supervision of Ph.D. candidates is preferred.

A Ph.D. in Environmental or Civil Engineering is required. Professional registration or the qualifications to become registered as a Professional Engineer within five years is also required. Candidates must also have had a sustained research record of at least five years in an academic department (or equivalency), with demonstrated ability to attract competitive research funding from national funding agencies. Candidates with expertise in emerging areas of environmental engineering such as water reuse, membrane technologies, nanotechnologies, biotechnologies relating to energy, and sustainability are encouraged to apply for this position. It is expected that this individual will have an immediate impact at the graduate level, developing a strong nationally-recognized research program through multidisciplinary collaborations. Opportunities to develop such research programs through the Institute of Energy and Environment,

which is housed in the College of Engineering, the New Mexico Water Resources Research Institute, which is housed at NMSU, and in collaboration with the scientists at the nearby Sandia National Laboratories and Los Alamos National Laboratories will be available to the successful candidate.

Prospective candidates should submit the following: cover letter, detailed academic curriculum vitae, research and teaching statement, and contact information for three references. Please send them to Dr. Adrian T. Hanson, Civil Engineering Department, MSC-3CE, Box 30001, New Mexico State University, Las Cruces, NM 88003 (phone 575 646 3032; email [athanson@nmsu.edu](mailto:athanson@nmsu.edu)). Review of the applications will begin by May 1, 2009 and will continue until the position is filled. The anticipated starting date is January 2010.

NMSU is an EEO/AA employer. All offers of employment, oral and written, are contingent on the university's verification of credentials, individual's eligibility for employment in the United States and other information required by federal law, state law, and NMSU policies/procedures, and may include the completion of a criminal history check. For information about New Mexico State University, please visit the University's web site at <http://www.nmsu.edu/>. Additional information relating research opportunities in the College of Engineering can be found at [http://enr.nmsu.edu/research\\_erc.shtml](http://enr.nmsu.edu/research_erc.shtml). Research opportunities at NMSU can be found at <http://research.nmsu.edu/portalPage.html>.

---

## ***Fellowship Program in Microbial Risk Assessment for Built Environment at Drexel University***

With support from the Department of Homeland Security, Drexel University is offering a fellowship program in Microbial Risk Assessment for Built Environment (MRABE). The fellowship program will integrate (1) academic coursework, (2) research at the Center for Advancing Microbial Risk Assessment, an Environmental Protection Agency and Department of Homeland Security Research Center of Excellence, and (3) two 6-month professional internships at Homeland Security Science Technology Engineering Mathematics sites. Appropriate sites for completion of the internship include government agencies such as the Department of Homeland Security and Environmental Protection Agency, national laboratories, and university-based Department of Homeland Security Centers of Excellence.

Potential research projects include: (1) development of meta-models for bioaerosol fate and transport in an indoor space, (2) transport

of micron- and submicron-size particulates in a recirculating indoor environment, and (3) microbial decontamination for the indoor environment.

Support up to \$2,300/month (tuition and stipend) is available for graduate students. Additional support is also available for students to attend professional conferences. Fellows must be U.S. citizens. This program is open to students with backgrounds preparing them for advanced study of quantitative microbial risk assessment and indoor contaminant dispersion study, such as science, engineering, and mathematics. Students will pursue a M.S. degree at Drexel University.

Fellowships are available starting in the fall term 2009–2010. Interested students should contact Dr. Jin Wen (phone: 215-895-4911; email: [jinwen@drexel.edu](mailto:jinwen@drexel.edu)) for further information and application materials.

## SECOND ANNOUNCEMENT AND CALL FOR ABSTRACTS



**University of Oklahoma International WaTER Conference  
and  
International WaTER Prize Award Ceremony  
October 26-27, 2009  
Norman, OK, USA**

The WaTER Technologies for Emerging Regions (WaTER) Center at the University of Oklahoma will host the **Inaugural OU International WaTER Conference and International WaTER Prize Award Ceremony** on October 26-27, 2009 in Norman, Oklahoma. The conference will bring together participants seeking to bring water and sanitation to remote villages in developing countries.

The highlight of the conference will be a plenary lecture by and presentation of the first OU International WaTER Prize to Dr. Steve Luby. In addition, keynote lectures will be given by:

- Dr. Jamie Bartram, WHO-Geneva
- Dr. George Greene, Water Missions Intl.
- Dr. Rob Quick, CDC
- Dr. Steve Silliman, Notre Dame

**Dr. Stephen P. Luby**  
*2009 OU International WaTER  
Prize Winner*



Most recently Dr. Luby has worked for the International Centre for Diarrheal Disease Research, Bangladesh since 2004. He is head of the Program on Infectious Diseases and Vaccine Sciences and also functions as the head of Agency for the Centers for Disease Control in Bangladesh. Dr. Luby has authored over 120 scientific articles, the majority concerning communicable disease epidemiology in low-income countries.

### Call for Abstracts

The OU WaTER Center is soliciting abstracts for oral and poster presentations for the WaTER Conference, Oklahoma. Interested participants should submit an **abstract** of no more than 500-words to the Conference Selection Committee by **August 1, 2009** (abstracts submittal and registration information may be found at <http://WaTER.ou.edu>). The Conference Selection Committee will review the abstracts and authors will be informed of acceptance by August 25, 2009.

Prior to September 8, conference registration is \$190, which includes entrance to all poster and paper sessions, plenary lectures, two continental breakfasts, four breaks, two lunches, a social, and one dinner banquet that are part of the conference agenda. Late registration (after September 8) is \$290. Participants from developing countries are especially encouraged to attend; a limited number of travel assistance scholarships will be available for international participants.

## **Phytotechnologies Conference in December 2009**

The 6th International Phytotechnologies Conference will be held in St. Louis from December 2–5, 2009. Missouri S&T's Joel Burken is heading the planning committee that hopes to put on a conference comparable to the 2008 conference held in Nanjing, China, and was attended by over 300 scientists, engineers, and researchers from twenty different countries. The conference will run three days along with workshops scheduled for December 1. The workshop topics will cover: (1) Phytoremediation Applications and (2) Green Roof Technologies.

This year's conference will be kicked off by Dr. Peter Raven, listed as *Time* magazine's "Hero for the Planet." Dr. Raven is among the most acclaimed scientists in Missouri history and one of the world's leading botanists and advocates of conservation and biodiversity. He is the current director of the Missouri Botanical Garden and Chairman of the National Geographic Society's Committee for Research and Exploration. Among his countless awards and posts, Dr. Ravens is a recipient of the National Medal of Science, the highest award for scientific accomplishment in the U.S., was a member of the President's Committee of Advisors on Science and Technology during the Clinton administration, and served as President and Chairman of the Board of the American Association for the Advancement of Science, the largest organization of professional scientists in the world.

For questions or information, please contact Joel Burken, Phyto-'09 Conference Chair and Vice President of the International Phytotechnologies Society, at burken@mst.edu or 573-341-6547.

## **AEESP Event at AAAR Conference in October**

**The American Association for Aerosol Research (AAAR)  
AEESP Plenary Lecture**

Tuesday, October 27  
8:00 am–9:15 am

**Barbara Finlayson-Pitts**  
Department of Chemistry  
University of California, Irvine

**Reactions at Interfaces in the Atmosphere:  
A New Dimension in Aerosol Research?**

Hyatt Regency Hotel  
Minneapolis, MN

## **AEESP Events at AWWA AC/E 09 Conference in June**

The AEESP Lecturer at the upcoming AWWA AC/E 09 Conference is:

**Dr. Dennis Clifford**

Thomas and Laura Hsu Professor and Director of  
Environmental Engineering  
University of Houston

**How Selectivity Affects Column Performance during Nitrate, Arsenate, and Perchlorate Ion Exchange**

Monday, June 15, 2009  
12:00–12:45 pm

San Diego Convention Center  
San Diego, CA

*Sponsored by Black & Veatch*

Students, young professionals (recent graduates), and professors attending AWWA's Annual Conference and Exhibition are invited to attend a reception at the Manchester Grand Hyatt at 5:30 pm on Tuesday, June 16.

*Sponsored by EE&T, Inc.*

## **AEESP Event at A&WMA Meeting in June**

The A&WMA/AEESP Meet-and-Greet Breakfast will include a lecture by:

**Dr. Kerry A. Kinney**

Associate Professor  
Civil, Architectural and Environmental Engineering  
University of Texas – Austin

**Biofuel Production from Algae**

June 17, 2009  
7:00–8:30 am

Cobo Conference and Exhibition Center  
Convention Center  
Detroit, Michigan



# Association of Environmental Engineering and Science Professors

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Institution: \_\_\_\_\_

Department: \_\_\_\_\_

Business address: \_\_\_\_\_

\_\_\_\_\_

Business phone: \_\_\_\_\_

E-mail address: \_\_\_\_\_

Fax no: \_\_\_\_\_

Home address: \_\_\_\_\_

\_\_\_\_\_

Home phone: \_\_\_\_\_

Applying for:  Regular Member [Rank: \_\_\_\_\_ ]

Affiliate Member

Student Member [Advisor: \_\_\_\_\_ ]

Sustaining Member

PLEASE ATTACH A BRIEF (1-3 PAGE) CURRICULUM VITAE

Enclosed are my AEESP dues in the amount of U.S. \$ \_\_\_\_\_.

Check enclosed

MasterCard or  Visa:

Card No. \_\_\_\_\_ Exp. Date \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

Membership in AEESP is on a calendar-year basis. When you join the Association, you will be sent the current AEESP Membership Directory and previous Newsletters and other materials which have been sent to members during the year, if your application is received prior to October 1. If you join after October 1, your membership will begin the following calendar year, but the current AEESP Membership Directory will be sent to you immediately upon approval of your membership by the Association's Secretary.

## Rank/Status Annual Dues

Regular Member (Professor) \$75.00

Regular Member (Assoc. Professor) \$60.00

Regular Member (Asst. Professor) \$40.00

Affiliate Member \$50.00

Student Member \$15.00

Sustaining Member \$500.00

Please return this form along with your dues and c.v. to the Secretary of AEESP:

Jeanne M. VanBriesen  
 Department of Civil & Environmental  
 Engineering  
 Carnegie Mellon University  
 5000 Forbes Avenue  
 Porter Hall 119  
 Pittsburgh, PA 15213

## AEESP Officers

### President

Amy E. Childress, Ph.D.  
Civil & Environmental  
Engineering, MS 258  
University of Nevada, Reno  
Reno, NV 89557-0152  
Phone: (775) 784-6942  
Fax: (775) 784-1390  
amyec@unr.edu

### President-Elect

Peter Adriaens, Ph.D.  
Civil & Environmental  
Engineering  
University of Michigan  
1351 Beal Avenue, 174 EWRE  
Ann Arbor, MI 48109-2125  
Phone: (734) 763-8032  
Fax: (734) 763-2275  
adriaens@umich.edu

### Vice-President

Nancy G. Love, Ph.D.  
Civil & Environmental  
Engineering  
University of Michigan  
2340 GG Brown Lab  
2350 Hayward Street  
Ann Arbor, MI 48109-2125  
Phone: (734) 764-8495  
Fax: (734) 764-4292  
nglove@umich.edu

### Secretary

Jeanne M. VanBriesen, Ph.D.  
Civil & Environmental  
Engineering  
Carnegie Mellon University  
Porter Hall 119  
Pittsburgh, PA 15213-3890  
Phone: (412) 268-4603  
Fax: (412) 268-7813  
jeanne@cmu.edu

### Treasurer

Angela R. Bielefeldt, Ph.D.  
Civil, Environmental, &  
Architectural Engineering  
University of Colorado,  
Boulder  
ECOT 441; UCB 428  
Boulder, CO 80309  
Phone: (303) 492-8433  
Fax: (303) 492-7317  
angela.bielefeldt@colorado.  
edu

## AEESP Board of Directors

**Peter Adriaens**, University of Michigan  
**Angela R. Bielefeldt**, University of Colorado  
**Joel G. Burken**, Missouri University of Science and Technology  
**Amy E. Childress**, University of Nevada, Reno  
**William J. Cooper**, University of California, Irvine  
**Keri Hornbuckle**, University of Iowa  
**Margaret Lang**, Humboldt State University  
**Nancy G. Love**, University of Michigan  
**Dan Oerther**, University of Cincinnati  
**Jeanne M. VanBriesen**, Carnegie Mellon University

## AEESP Sustaining Members

**American Water Works Association**, Gary Zimmerman, Denver, CO  
**Black & Veatch**, Bruce W. Long, Kansas City, MO  
**Brown and Caldwell**, Marcy Akiyama, Seattle, WA  
**Camp, Dresser & McKee**, Robert L. Matthews, Rancho Cucamonga, CA  
**Carollo Engineers, P.C.**, Walter A. Bishop, Jr., Walnut Creek, CA  
**CH2M Hill**, Glen T. Daigger, Englewood, CO  
**Greeley and Hansen**, John Robak, Chicago, IL  
**Hazen and Sawyer, PC**, William C. Becker, New York, NY  
**HDR Engineering, Inc.**, J.B. Neethling, Folsom, CA  
**IWA Publishing**, Ian Morgan, London, U.K.  
**LimnoTech**, Joseph V. DePinto, Ann Arbor, MI  
**Malcolm Pirnie**, Mike Kavanaugh, White Plains, NY  
**McGraw-Hill Higher Education**, Bill Stenquist, Boston, MA  
**MWH Consulting Engineers**, Joe Jacangelo, Lovettsville, VA  
**Sanitation Districts of Los Angeles County**, Michael W. Selna, Whittier, CA  
**Water Research Foundation**, Rob Renner, Denver, CO  
**Water Environment Federation**, Berinda Ross, Alexandria, VA  
**Water Environment Research Foundation**, Glenn Reinhardt, Alexandria, VA  
**John Wiley & Sons**, James Harper, Hoboken, NJ



## Association of Environmental Engineering and Science Professors Newsletter

Joe Ryan, Editor  
Civil, Environmental, and Architectural Engineering  
University of Colorado, 428 UCB  
Boulder, CO 80309-0428

PRE-SORTED  
FIRST CLASS MAIL  
U.S. POSTAGE  
PAID  
CHAMPAIGN, IL  
PERMIT NO. 75