AEESP Newsletter
Association of Environmental Engineering and Science Professors
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In this issue...

New AEESP Newsletter column

The AEESP board is seeking to develop book reviews centered around specific classes in future AEESP newsletters. Aarne Vesilind, who has labored on the book reviews single-handedly for years, has been offered a regular newsletter column as a forum for his insights, perspective, and wit. The newsletter is continually seeking historical notes, opinion pieces, and items of general interest. If you have ideas for a future article, or even a regular column, please contact Amy Childress or any member of the board of directors.

BIG changes ahead for New Year!

Editor's note: A number of AEESP members are not aware that the 2005 AEESP Conference is a **unique** undertaking that will be quite different from previous AEESP conferences. This is an **inaugural event** that willl set a precedent for future biennial AEESP conferences. Please see the letter below from the organizers to learn more about this **groundbreaking** event. And plan to attend!

2005 AEESP Conference: A chance to honor the past, envision the future

This year's AEESP conference will continue to combine research and education using the very successful model established in 2002 at University of Toronto. The 2005 conference, to be held at Clarkson University in northern New York state July 23-27, 2005 is the first in what is to become a biannual event. The conference is co-organized by Syracuse University, and funded in part by a grant from the National Science Foundation.

The theme of the 2005 conference, *Pushing the Boundaries: Making research and education in environmental engineering and science count*, will explore ways that AEESP members are expanding the field through interdisciplinary and/or multimedia activities, or by expanding the breadth of the intended audiences of their research and education activities. The overall goal of this conference will be to increase awareness of future trends and opportunities for environmental engineering and science professors. To accomplish this goal, three main foci are planned:

Many members are helping to plan and organize the 2005 Conference. Pictured left to right are Stefan Grimberg, Tom Holsen, Amy Zander, Pam Stoddard (Administrative Assistant), Susan Powers, and Andrea Ferro, all from Clarkson University. Not pictured: Andria Costello and Ray Letterman, Syracuse; Chuck Haas, Drexel; Robin Autenreith, Texas A&M; Lynn Katz, UT Austin; Michael Twiss, Clarkson.

Newsletter submissions

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AEESP Newsletter online

Current issue:
www.uidaho.edu/aeesp

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1) Multi-media approaches for understanding environmental impacts and solutions.
2) Interdisciplinary research and education activities.
3) Outreach activities to increase knowledge about and reputation of environmental engineering and science.

The key questions posed by Chuck Haas in the September 2004 *AEESP Newsletter* will be addressed, including: What is our body of knowledge as environmental engineering and science professors? How do we best prepare those who will practice, teach and research in environmental engineering in the 21st century? Special events will include poster sessions with awards for graduate students and professors; keynote presentations on Monday by Dick Luthy, Charlie O'Melia, Keri Hornbuckle and Geoffrey Grubbs; a session on the NSF CLEANER initiative and its place in the future of environmental engineering; and a workshop on learning styles co-sponsored by the American Society for Engineering Education. Selected papers from the conference will be peer-reviewed and published in a special issue of *Environmental Engineering Science*.

AEESP will also host a special "Legacy Reunion and Appreciation Dinner" on Tuesday evening, July 26. This dinner provides an opportunity to renew old acquaintances and AEESP history will be presented. A special "AEESP/AAEE Founder Award" will be given to Harvey F. Ludwig at this event. The AEESP annual meeting and awards presentation will also be held on this last full day of the conference.

Summer in northern New York is characterized by warm days and cool nights—a welcome respite from more humid areas of the country. In addition to pre-conference field trips in Syracuse on Saturday, Monday afternoon will be dedicated to recreational activities that include kayaking or canoeing in the Racquette River, hiking a mountain in the Adirondacks, and a game of golf at the local Country Club. A town beach is less than one mile away from campus.

The conference is planned at a low cost to attendees, and with the hope that you will bring your graduate students (members $225, non-members $275, students $125, students with no meals $40). All meals, including the Legacy Reunion and Appreciation Dinner, are included in the conference prices. On-campus housing is abundant and reasonably priced ($24-$46/night).

The overall goal of this conference will be to increase awareness of future trends and opportunities for environmental engineering and science professors.

For more details, the conference call for abstracts (due February 1, 2005), registration information, and information about the Potsdam, NY area, please visit the conference website at www.clarkson.edu/aeesp. Hope to see you in northern New York in 2005.

-Amy Zander and Susan Powers,
Clarkson University

AEESP Legacy Reunion and Appreciation Dinner

Tuesday, July 26, 2005
2005 AEESP Research and Education Conference

by James Mihelcic, William Ball, and Menachem Elimelech

Ever wonder how AEESP ever got started?
AEESP had it origins in the La Salle Hotel in Chicago on December 5, 1963 when "Professor Earman Pearson, Chairman pro-tem of the Board of Directors, called the meeting to order and declared the first order of business should be the election of officers." A group of 21 professors from 14 universities then adopted bylaws.

The original name of our organization was the American Association of Professors in Sanitary Engineering (AAPSE). The idea of AAPSE was not created on a university campus. Instead it was the vision of Harvey Ludwig and Gordon McCallum, both employees at the U.S. Public Health Service. Ludwig saw the usefulness in advancing the state-of-

art of practice in water supply and pollution control, and of having cooperation in research between the U.S. Public Health Service and universities. The idea was first discussed in 1953 and a genesis phase followed between 1957 and 1962. Finally in 1963 came the historic call for the first order of business in that Chicago hotel. (*AEEP 25 Years*, Hendricks and Baumann, 1990)

Since that time our name has undergone several changes and membership has now grown to over 750 members. When AEESP marked its 25th anniversary in 1989, then president George Tchobanoglous wrote that the group "had made a difference in environmental engineering education" and felt the anniversary was an appropriate time to identify our founders.

As we now reflect on over 40 years of success as an organization, it seems fitting that we recognize and acknowledge the founders and early members of AEESP at this summer's 2005 AEESP Research and Education Conference. The Legacy Reunion and Appreciation Dinner will take place along with the Awards Banquet on Tuesday, July 26, 2005 on the campus of Clarkson University. This should be a wonderful opportunity for all of us to learn more about AEESP's history from the individuals who created, and then nurtured the organization through those early years. Stay tuned to the conference web site (www.clarkson.edu/aeesp/) for further details!

Who are we?

by James R. Mihelcic, Board of Directors

Who makes up AEESP? To partially answer this question, the Board of Directors would like to share information about other professional groups our membership belongs to.

The data in the table below shows the number of members who reported membership in specific professional organizations this past year and seven years ago. While organizations such as WEF, ASCE, AWWA, ACS, and IWA continue to have participa-

Professional Organization	Number of members reporting membership in specific professional organizations in 1997	Number of members reporting membership in specific professional organizations in 2004
WEF	360	337
ASCE	329	315
AWWA	252	277
ACS	196	264
IWA	223	185
ASEE	87	114
AGU	69	113
ASM	10	111
AAEE	96	85
AIChE	64	60
AWMA	59	51
AAAS	23	45
SETAC	13	42
NGWA	15	31
NSPE	10	25
AWRA	10	21
AAAR	6	16
ASLO	12	14
SWANA	18	12
SWE	14	10

Newsletter policies

Submissions deadline

The AEESP Newsletter is published three times a year in January, April, and September. The deadline for newsletter submissions is one month prior to the publication date. Please keep in mind when submitting items with deadline dates that members receive issues four to six weeks after the submissions deadline.

Advertising policy

Any advertisement, including faculty, post-doc, or student ads, or other types of announcements submitted by an AEESP member, will be free for the first 250 words (approximately 1/4 page) and then charged at $1 per word for additional content, if formatted to fit in a column. Non-members will be charged at the per word rate for any size column-formatted ad. Full page formatted advertisements will be charged at $500 for members and $1,000 for non-members. All formatted full page ads will be accompanied by a free web ad.

Photo submissions

Photo submissions to the AEESP Newsletter are encouraged. Please submit your photos electronically (to amyec @unr.edu) in jpeg format at the highest dimension for downsizing to print resolution (preferably less than 750 KB). Also, please include captions with names, locations, and dates.

tion by many of our members, other organizations such as ASM and AGU now serve an increasingly greater number of our membership. It is also healthy to notice the large number of members involved in education and practitioner-orientated organizations such as ASEE and AAEE. Increased participation over the past seven years in groups such as NGWA, SETAC, and AAAS demonstrates the broad expertise of our members that is one contributing factor to the success of our students as they join the interdisciplinary workforce of the future.

Update on AEESP interactions with other professional societies

by James R. Mihelcic, Board of Directors

During a 2004 AAEE meeting, Lynn Katz and Marc Edwards organized a panel session to discuss how AEESP could better interact with other professional groups. The panel included representatives from AEESP, ASEE, AAEE, ASCE and the AIChE Institute for Sustainability. As part of the effort each organization filled out a questionnaire that identified current and potential areas for interaction. Ideas that were discussed by the panel included: joint sponsorship of teaching awards, joint sessions at meetings, and creation of web links between the various groups. All the groups have award programs that our students and faculty can take advantage of.

Some other active interactions between AEESP and other groups include:

AEESP members can obtain affiliate membership with ASCE's Environmental and Water Resources Institute (EWRI), AIChE, AAEE, and ASEE.

ASCE's EWRI has approximately 20,000 members and provides opportunities for AEESP members to present their educational work at conferences.

AIChE's Institute for Sustainability is less than two years old and has close to 200 members. They are one of the sponsors of the USEPA's P3 Student Design Contest that many of our students are now participating in. There have been some discussions lately about AEESP participating in development of the technical programming at AIChE meetings.

AAEE has approximately 2,100 members and shares co-sponsorship of our education conference, organizes the Kappe Lectureship that brings speakers to many of our universities, and they assist us in organizing the Scientists Luncheon at WEFTEC. In addition members from both groups serve on the AAEE Education Committee and work closely together on accreditation issues.

The environmental engineering division of ASEE has over 400 members; however, only about one quarter are also members of AEESP. ASEE provides a forum for our members to publish their scholarly work related to education and their annual conference has a session that promotes the specific activities of AEESP members.

Student forum open for business

by Joel Burken, Student Services Chair, University of Missouri Rolla

The student services committee is happy to announce the unveiling of the new student forum for students in environmentally related fields. Many professional organizations serve the environmental engineering and science sub disciplines; however none are all-encompassing in subject area. Students in environmental engineering and science have interest in professional activities, and many have student chapters of an organization or are unaffiliated. The students have limited access to activities and services of the professional organizations, unless they already have a specific student chapter. The forum is generated to act in this void and provide information from the numerous organizations to all students, and hopefully the information submitted by student chapters and listed on the site can foster intercampus communications between the student groups.

Our professional organizations also arrange student-oriented contests and activities. The AEESP forum will provide a common platform for all interested students to easily access this information on/from the numerous organizations. Please forward the link to students in your programs. Also invite them to offer information about their student groups and organization chapters. The Student Organizations tab contains a form for universities to submit chapter information. From that information we can contact all groups and keep information current.

The link to the forum is listed below. I hope that the forum can serve to help the students in our fields become better informed about all the professional organizations that are available and all that they offer: http://www.aeesp.org/newstudentpages/eesfindex.htm.

The work of former committee chair Jim Mihelcic was instrumental in getting this effort started. Committee members who were instrumental in the development are: Bill Arnold, Michael Penn, James Englehardt, Allen Davis, and Hector Fuentes. Other AEESP members who helped to get this effort rolling include: Nancy Love, Krishna Pagilla, Paul Imhoff, and Tat Ebihara. Thanks to all that provided assistance and input.

2004 AEESP Awards

The following awards were presented at the 2004 AEESP Meet & Greet, held on October 4th during the WEFTEC New Orleans. Congratulations to all of the award winners.

AEESP/CH2M Hill Outstanding Doctoral Dissertation Award

Dissertation: "Studies on the Transport and Deposition of Charged Nanoparticles"
Student: Pramod Kulkarni
Advisor: Pratim Biswas (Washington University in St. Louis).

AEESP/Parsons Engineering Science Outstanding Doctoral Dissertation Award

Dissertation: "Prevention of the Formation of N-Nitrosodimethylamine (NDMA) during Waste Water Chlorination"
Student: William Mitch
Advisor: David L. Sedlak (University of California, Berkeley).

AEESP/Montgomery-Watson-Harza Master's Thesis Awards

First Place: "Microbial Cell Densities and Treatment Performance in Nitrifying Activated Sludge Reactors"
Student: Janalyn Brown
Advisor: Kevin G. Robinson (University of Tennessee).
Second Place: "Synthesis and Characterization of a Polymeric/Inorganic Hybrid Sorbent: Removal and Underlying Sorption Mechanism of Arsenic(III) and Arsenic(V)"
Student: John Greenleaf
Advisor: Arup SenGupta (Lehigh University).

Malcolm Pirnie/AEESP Frontier of Research Award

Mark Wiesner (Rice University)

AEESP/Wiley Interscience Award for Outstanding Contributions to Environmental Engineering and Science Education

Daniel B. Oerther (University of Cincinnati)

AEESP/McGraw-Hill Award for Outstanding Teaching in Environmental Engineering and Science

Angela R. Bielefeldt (University of Colorado at Boulder)

Founders' Award: For Sustained and Outstanding Contributions to Environmental Engineering Education

Paul V. Roberts (Stanford University).

Outstanding Publication Award: A landmark Environmental Engineering paper that has withstood the test of time

"Surrogate Parameters for Monitoring Organic Matter and THM Precursors," J. AWWA, 77, 4, 122-132 (1985).
James K. Edzwald (University of Massachusetts), William C. Becker (Hazen and Sawyer), Kevin L. Wattier (Long Beach Water Department)

2004 AEESP Distinguished Service Awards

The following Distinguished Service Awards will be presented at the 2005 AEESP Research & Education Conference to be hosted at Clarkson University, July 23-27, 2005:
Aarne Vesilind, Distinguished Service Award for Outstanding Service to the Association
Nicholas L. Clesceri, Distinguished Service Award for Leadership and Vision in Service to the Association
Craig Adams, Distinguished Service Award for Outstanding Service as Chair of the Membership Committee
Allen Davis, Distinguished Service Award for Outstanding Service as Chair of the Government Affairs Committee
Bruce Rittmann, Distinguished Lecturer
Thomas M. Young, Distinguished Service Award for Outstanding Service as Chair of the Doctoral Dissertation Award Subcommittee
Syed Hashsham, Distinguished Service Award for Outstanding Service as Chair of the Masters Thesis Award Subcommittee
Charles N. Haas, Distinguished Service Award for Outstanding Service as Treasurer and Board Member
Amy K. Zander, Distinguished Service Award for Outstanding Service as Secretary and Board Member

2005 AEESP Awards

Please note that nominations for the 2005 awards are due March 15th, 2005. Instructions for making nominations are below and also on the AEESP Web site, http://www.aeesp.org.

Nominations for the Ph.D. dissertation awards should be sent to Paul Imhoff, Chair of the Doctoral Thesis Review Panel. Nominations for the M.S. thesis awards should be sent to Shankar Chellam, Chair of the Master's Thesis Review Panel. All other nominations and requests for information should be sent to Mirat Gurol, Chair - AEESP Awards Committee. Nominations are sought for the following awards:

CH2M Hill/AEESP and Parsons Engineering Science/AEESP Doctoral Dissertation Awards

AEESP annually recognizes two outstanding doctoral theses contributing to the advancement of environmental engineering and science. Starting in 2005, each award will consist of a plaque

and a cash prize of $3,000 for the student, and a plaque and a cash prize of $500 for the faculty advisor. Parsons and CH2M Hill will also provide a travel allocation of $750 for each recipient who attends the awards ceremony. Doctoral theses completed during the most recent calendar year are eligible. Faculty advisors wishing to nominate a student should send three copies of the dissertation to:

Paul Imhoff
Chair-AEESP Ph.D Dissertation Review Panel
Department of Civil & Environmental Engineering
University of Delaware
301 DePont Hall, Newark, DE 19716-3120
imhoff@ce.udel.edu

The submission should be accompanied by a simple letter of transmittal stating 1) the current address, e-mail and phone number for the student and advisor, 2) an indication as to when the thesis was completed, and 3) a concise statement defining the student's intellectual contribution to the work. The latter statement is especially important if multiple authors contributed to the work under consideration. The copies will not be returned, so inexpensive xerographic copies are recommended. The deadline for submission is March 15, 2005 for dissertations completed during the 2004 calendar year. Faculty advisors are urged to limit themselves to a single entry (which will be considered for both awards); self-nominations by students will not be accepted.

A selection committee of three AEESP members will read and judge each dissertation. Each dissertation is evaluated based on 100 points allocated to the following major categories: Scientific and Technical Merit (30 pts), Originality of Research (30 pts), Contribution to the Advancement of Environmental Engineering and Science (30 pts), and Clarity of Presentation (10 pts). Selections will be made by September so that the recipients can be invited to the AEESP annual meeting at WEFTEC in October. Our thanks to CH2M Hill and Parsons Engineering Science for their generosity in sponsoring these awards and to members of the 2004 Doctoral Dissertation Review Panel: Thomas M. Young (Chair), Paul Imhoff, and JoAnn Silverstein.

Montgomery-Watson-Harza Master's Thesis Awards

AEESP annually recognizes two outstanding Master's theses contributing to the advancement of environmental engineering and science. In 2005, the first place award consists of a plaque and a cash prize of $1,500 for the student, and a plaque for the faculty advisor. The second place award consists of a plaque and a cash prize of $500 for the student, and a plaque for the faculty advisor. Montgomery-Watson-Harza is also providing a travel allocation of $750 for each recipient to offset travel expenses to the awards ceremony. Faculty advisors wishing to nominate a student for this competition should send three copies of the thesis to:

Shankar Chellam
Chair of the Master's Thesis Review Panel
Department of Civil and Environmental Engineering
University of Houston
4800 Calhoun Road, Houston, TX 77024-4791
chellam@uh.edu

The submission should be accompanied by a simple letter of transmittal stating 1) the address, e-mail and phone number for the student and advisor, 2) an indication as to when the thesis was completed, and 3) a concise statement defining the student's intellectual contribution to the work. The copies will not be returned, so inexpensively bound xerographic copies are recommended. The deadline for submission is March 15, 2005 for theses completed during the 2004 calendar year. Faculty advisors are urged to limit themselves to a single entry; self-nominations by students will not be accepted.

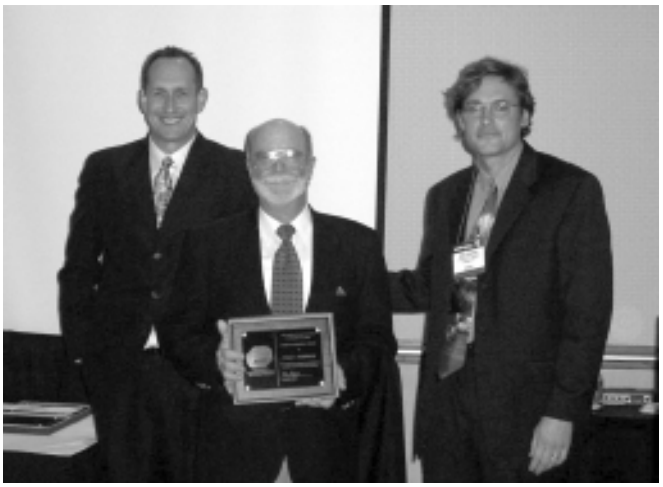
A selection committee of three AEESP members will read and judge each thesis. Each thesis is evaluated based on 100 points allocated to the following major categories: Scientific and Technical Merit (46 pts), Originality of Research (15 pts), Contribution to the Advancement of Environmental Engineering and Science (15 pts), and Clarity of Presentation (24 pts). Selections will be made by September so that the recipients can be invited to the AEESP annual meeting at WEFTEC in October. Our thanks to Montgomery-Watson-Harza for their generosity in sponsoring these awards and to the members of the 2004 MS Thesis Review Panel: Syed Hashsham (chair), Shankar Chellam, and N. Nirmala Khandan.

AEESP/McGraw-Hill Award for Outstanding Contributions to Environmental Engineering and Science Education

The purpose of this award is to "honor individuals who are making outstanding contributions to the teaching of environmental engineering and science, both at the individual's home institution and beyond." The selection process for the "Outstanding Teaching in Environmental Engineering and Science" award favors faculty at the assistant and associate professor levels who teach large undergraduate classes and especially those who are developing innovative instructional methods. The selection process for the "Outstanding Contribution to Environmental Engineering and Science Education" award places less emphasis on academic rank and more emphasis on the development of innovative methods, including the dissemination of methods to peers. Only AEESP members are eligible to receive these awards and an individual may receive either award only once. Each award winner receives a plaque and a check for $1000 to be presented at the AEESP annual meeting at WEFTEC in October.

The nomination package should include the following items: a) a resume, tailored to highlight contributions to environmental engineering and science education; and b) relevant information related to teaching not included in the resume. Some of the

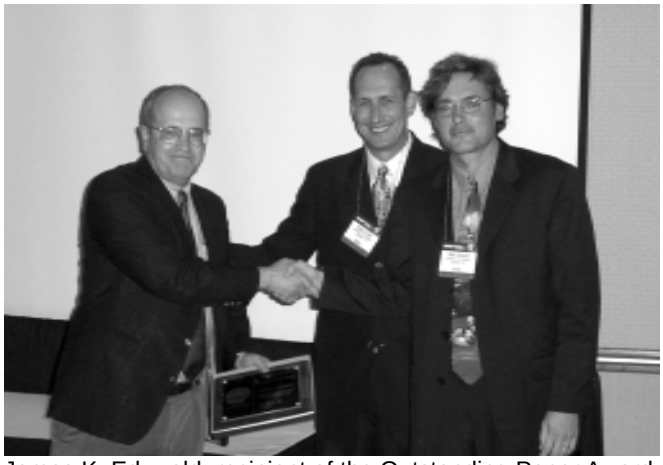
Mark Weisner, recipient of the Frontier of Research Award, with Doug Owens of Malcolm Pirnie (center) and Pedro Alvarez (right).



Paul Roberts, recipient of the Founders' Award, with Pedro Alvarez (left) and Marc Edwards (right).

Angela R. Bielefeldt, recipient of the AEESP/McGraw Hill Award for Outstanding Teaching in Environmental Engineering and Science, with Marc Edwards (right), and Pedro Alvarez (center).

Daniel B. Oerther, recipient of the AEESP/Wiley Interscience Award for Outstanding Contributions to Environmental Engineering and Science Education, with Marc Edwards (right) and Pedro Alvarez (center).



James K. Edzwald, recipient of the Outstanding Paper Award, with Marc Edwards (right), and Pedro Alvarez (center).

Janalyn Brown (student) and Kevin Robinson (advisor), recipients of the AEESP/MWH Master's Thesis Award, with MWH's Rudy Tekippe (center).

following additional material will be helpful in judging the candidate's qualifications for these awards: a) input from undergraduate and graduate students, b) summary teaching evaluations by faculty and/or students, c) supporting letters from colleagues intimately familiar with the nominee's contributions to environmental engineering and science education, d) demonstrated innovation and success in teaching, and e) demonstrated effort at dissemination of methods to the academic community. Letters from colleagues from outside the nominee's home institution documenting application of software, innovative teaching ideas, textbooks, course notes, mentoring, or other significant contributions will be given special consideration.

The deadline for nominations is March 15, 2005. Nominations can come from former students or from professional colleagues and should be sent to: Mirat Gurol, Chair, AEESP Awards Committee, Department of Civil and Environmental Engineering, San Diego State University, 5500 Campanile Drive, San Diego, CA 92182-1324. Mirat's e-mail address is mgurol@mail.sdsu.edu.

AEESP Outstanding Publication Award

Nominations are sought for the 2005 AEESP Outstanding Publication Award for a "landmark paper that has withstood the test of time." Nominations must be made by members of AEESP who are not an author or co-author of the paper. The deadline for nominations is March 15, 2005. Nominators should send a copy of the paper and a letter (two pages maximum) to the chair of the awards committee: Mirat Gurol, Chair, AEESP Awards Committee, Department of Civil and Environmental Engineering, San Diego State University, 5500 Campanile Drive, San Diego, CA 92182-1324. Mirat's e-mail address is mgurol@mail.sdsu.edu. The letter should give the citation, the reasons why the paper has been considered a "landmark," and a description of the influence the paper has had on the practice of environmental engineering and science.

Any author of a winning paper is ineligible in the competition for a period of three years, and at least one of the authors must be living. The most recent winners are:

2001: E. L. Thackston and P. A. Krenkel. "Reaeration Prediction in Natural Streams." J. Sanit. Engrg. Div., ASCE, 95(1):65-93 (1969).

2002: M. Elimelech and C.R. O'Melia. "Kinetics of Deposition of Colloidal Particles in Porous Media." Environ. Sci. Technol. (24), 1528 (1990).

2003: K.J. Williamson and P.L. McCarty. "A Model of Substrate Utilization by Bacterial Films." J. Water Poll. Control Fed. (48), 9 (1976).

2004: J. K. Edzwald, W. C. Becker and K. L. Wattier. "Surrogate Parameters for Monitoring Organic Matter and THM Precursors." J. AWWA (77), 4, 122 (1985).

Please reflect on the papers that you think have had the greatest impact on environmental engineering and science and consider nominating one for this award. Note that papers in all areas of environmental engineering and science, including air pollution, water quality, solid waste, hazardous waste, etc. are eligible.

Malcolm Pirnie/AEESP Frontier Award in Research

The purpose of the Frontier Award is "to honor an individual who has advanced the environmental engineering and science field through recognized research leadership and pioneering efforts in a new and innovative research area." All AEESP members are eligible for this award. In 2005, the award consists of a plaque and a cash prize of $4,000 to be presented at the WEFTEC Conference in October. Malcolm Pirnie will also provide a travel allocation of $750 for the recipient to offset travel expenses to the awards ceremony. Only AEESP members are eligible to nominate candidates. The deadline for nomination is March 15, 2005 for full consideration by the AEESP Awards Committee. Nominations should be submitted to: Mirat Gurol, Chair, AEESP Awards Committee, Department of Civil and Environmental Engineering, San Diego State University, 5500 Campanile Drive, San Diego, CA 92182-1324. Mirat's e-mail address is mgurol@mail.sdsu.edu. Those making nominations must submit a supporting statement plus selected literature citations detailing the nominee's contribution to the new and innovative research achievement for which the nominee is being honored.

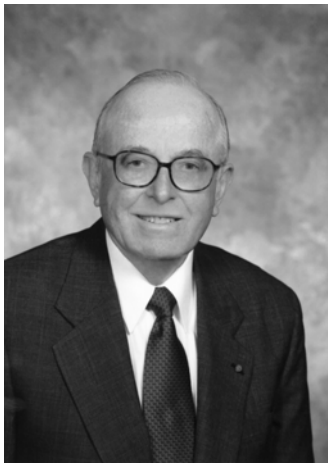
AEESP Founders' Award

The AEESP Founders' Award is given annually to recognize an AEESP member who has made "sustained and outstanding contributions to environmental engineering education and the profession." Previous recipients of the Founder's Award are listed below.

1991: E. Robert Baumann, Iowa State University
1992: Perry L. McCarty, Stanford University
1993: Richard Engelbrecht, University of Illinois
1994: Daniel A. Okun, University of North Carolina-Chapel Hill
1995: Charles R. O'Melia, Johns Hopkins University
1996: Earnest F. Gloyna, University of Texas at Austin
1997: Linvil G. Rich, Clemson University
1998: Richard I. Dick, Cornell University
1999: Vernon L. Snoeyink, University of Illinois
2000: Walter J. Weber, Jr., University of Michigan
2001: John L. Cleasby, Iowa State University
2002: Thomas M. Keinath, Clemson University
2003: C.P. Leslie Grady, Jr., Clemson University
2004: Paul V. Roberts, Stanford University

To make a nomination for the 2005 AEESP Founders' Award, contact the chair of the awards committee: Mirat Gurol, Chair, AEESP Awards Committee, Department of Civil and Environmental Engineering, San Diego State University, 5500 Campanile Drive, San Diego, CA 92182-1324. Mirat's e-mail address is mgurol@mail.sdsu.edu. The award will be presented at the AEESP annual meeting at WEFTEC in October.

Frederick G. Pohland Medal



Frederick G. Pohland

AEESP in conjunction with the American Academy of Environmental Engineers (AAEE) is pleased to announce the annual Frederick G. Pohland Medal and honorarium, which will be awarded to an individual emulating Dr. Pohland's long commitment to bridge environmental engineering research, education, and practice.

Members can nominate individuals who belong to AEESP or AAEE and have, in various ways, demonstrated the above bridging commitments. Example accomplishments include extending their own research into field use, enhancing the flow of information from universities to practitioners, developing educational materials relating fundamentals to practice, and relating practice needs to research and education.

Dr. Pohland, who passed in 2004 at the age of 72, had a long and exceptional career, which began at the Georgia Institute of Technology (1961–1988) and continued at the University of Pittsburgh (1989–2004). He led the environmental engineering programs at each institution and was awarded a chaired professorship at Pittsburgh.

His research led to fundamental advances in anaerobic processes. His concept of a landfill as a bioreactor through controlled leachate recycle led to full-scale use by the Delaware Solid Waste Authority. Fred originated and chaired the IWA Specialist Groups on Anaerobic Digestion (1985–1992) and on Landfill Management (1995–1999), which brought together practitioners, researchers, and educators throughout the world.

He served as Regional Editor of *Water Research* and *Water Science and Technology* (1983–2002) and Honorary Executive Editor of *Water Research* (1994–2000), an example of his commitment and tenacity applied to information transfer. From 1991 to 1998 he chaired the AAEE WASTECH Program, which developed two series of technology books for practitioners in the remediation area.

For WEF he chaired the Program Committee (1989–1992) to ensure that all professionals in the water-quality field were supplied with the latest science and technology. He served on the U.S. EPA Science Advisory Board (1989–1997), assuring that the best science and technology were used in the regulatory process.

Dr. Pohland's development of relationships between education, research, and practice has been recognized in many ways, including election to the National Academy of Engineering (1993), Honorary Memberships in WEF (1993) and IWA (2000), President of AAEE (1992–1993) and recipient of its Gordon Maskew Fair Award (2000), and ASCE's Simon Freeze Memorial Lecturer (2001).

If only one sentence could be used to describe Dr. Pohland's life it would be, "he sensed a responsibility to make a difference in the world and he admirably discharged it." We are pleased to be able to memorialize Dr. Pohland's life and achievements in this manner.

The award will be presented by the President during the AEESP Awards Ceremony. The first award will be given at the AEESP conference in July 2005. Only members of AEESP and/or AAEE are eligible to receive this award. Members may make nominations by communicating the name of the nominee to the Chair of the Awards Committee; supporting documentation and references will be appreciated. Nominations are due by March 15. Nominations will be considered valid for three years, as long as the nominee continues to be ranked among the top five candidates.

The award will consist of the Pohland Medal with an inscription, "AEESP/AAEE; For outstanding contributions to bridging environmental engineering research, education, and practice," and an honorarium.

AEESP Call for Case Studies

Letter of Intent: **February 15, 2005**
Manuscript Submission: **August 15, 2005**
Revised Manuscript Submission: **November 15, 2005**
CD Release: **December 15, 2005**

The use of case studies is common in the training of medical, law, business and military professionals, and case studies can be used as powerful tools in the education of young engineers. Engineering case studies serve as accounts of "real-world" engineering activities, events or problems. The use of case studies in classroom instruction can supplement learning of engineering principles with an insider view of the inherent complexities encountered when the principles are put into practice. Case studies have the potential to serve as highly effective learning tools for preparing a modern environmental engineering work force – one that is firmly grounded in engineering principles and adequately trained to address the multidisciplinary challenges of environmental engineering practice.

AEESP proposes to compile a set of case studies for instructional use by environmental engineering educators, and through this solicitation invites submission of manuscripts describing case studies that enhance problem-based learning in the environmental engineering and science curricula.

Submitted case studies may be based on published literature or individual experiences of authors, and should address the application of environmental engineering and science principles to the solution of "real-world" problems. The case studies may document success stories or failures. The manuscript should include appropriate declaration that the original owners of the data have approved its release. If the case study has been changed to make it anonymous, this should be made clear. Submission of a completed copyright declaration form will be required for publication of the manuscript.

All submissions will be reviewed by AEESP's Education Committee and accepted case studies will be published electronically in a CD format. Authors' names and affiliations will be published along with their contributions. The CD will be made available to AEESP members and non-members at a nominal cost.

Submitted manuscripts should adhere to a maximum limit of 20 pages (double-spaced) with 12-point font size (Times Roman). Figures, tables and reference lists should be included within the 20-page limit. Submitted case studies can cover all facets of environmental engineering but should follow the general reporting format outlined below:

- **Title**
- **Authors and Author Affiliations**
- **Summary**: This section should briefly summarize the case study and read like an abstract.
- **Keywords**: Up to five words that describe key features of the case study.
- **Context & Logistics**: This section should include the following:
  - √ learning objective(s) of the case study
  - √ accommodating course(s) and levels (freshmen, sophomore, junior, senior, grad)
  - √ prerequisite course(s)
  - √ type of activity (individual, small group, large group)
  - √ level of effort by instructor (in hours)
  - √ level of effort by individual student (in hours)
  - √ suggested assessment methods to evaluate learning effectiveness
- **Introduction**: This section should include a background of the environmental engineering project and state the goals of the project.
- **Supporting Information**: This section should include all information and data available for analysis.
- **Questions**: This section may include a list of issues/questions that need to be addressed by students along with specific instructions and submission requirements.
- **Analysis**: This section can include an analysis/discussion of select solutions to issues/questions raised in the previous section. The section should include conclusions based on the analyses.
- **Learning Assessment**: This section may include results from assessing the effectiveness of the exercise and recommendations for future implementations of the case study.

More information on preparing engineering case studies is available at the following web site jointly maintained by the American Society of Engineering Education, the Rose-Hulman Institute of Technology and Carleton University: **http://www.civeng.carleton.ca/ECL/**.

Letters of Intent should be submitted electronically to Dr. Michael Butkus (michael.butkus@usma.edu) by February 15, 2005 and should include: (i) a title for the case study, (ii) authors and author affiliations, and (iii) a short description (less than 200 words) of the case study.

News submissions deadline

The submissions deadline for the April 2005 AEESP Newsletter is **March 1, 2005.** Send news items to:

Amy E. Childress
AEESP Newsletter Editor amyec@unr.edu

Arizona State University

ASU hires international leader in environmental biotechnology

Bruce Rittmann, Ph.D., sees pollution as a valuable resource that's just in the wrong place. An international leader in environmental engineering, Rittmann has been recruited to head a new Center for Environmental Biotechnology at the Biodesign Institute at Arizona State University. He will also be Professor of Civil and Environmental Engineering in ASU's Ira A. Fulton School of Engineering.

Formerly with Northwestern University, Rittmann will direct a large, multi-disciplinary research operation at the Biodesign Institute aimed at developing microbiological systems that capture renewable resources and also minimize environmental pollution. His work, which combines engineering with microbiology and chemistry, can be used to reclaim polluted water and generate energy from waste substances.

"We need to change our point of view concerning what society now treats as wastes. To make society more sustainable, we need to capture these valuable resources, and microbial systems often are the best way," said Rittmann.

According to Rittmann, ASU is an ideal location for researchers who want to take their discoveries beyond the walls of the laboratory. "The Biodesign Institute is unique in its focus on trans-disciplinary research that spans the gap between discoveries and applications, something that has become a primary motivator for me," said Rittmann. He noted that the presence of a commercialization arm at ASU, Arizona Technology Enterprises, helps ensure a more sophisticated and accelerated path in launching discoveries into the market.

Braden Allenby, Ph.D., joined the Ira A. Fulton School of Engineering at Arizona State University as a professor in the Department of Civil and Environmental Engineering in August 2004. His research focuses on environmental design, life cycle assessment, industrial ecology, ICT systems and infrastructure, telework/virtual office systems and networks, and earth systems engineering and management. Dr. Allenby will also be a faculty fellow at the Center for the Study of Law, Science & Technology and affiliated professor in the College of Law at ASU. He is also a Batten Fellow at the University of Virginia's Darden Graduate Business School, and an elected Fellow of the Royal Society of Arts, Manufactures and Commerce.

Kara Nelson at White House ceremony with Dr. John H. Marburger, III, Director, Office of Science and Technology Policy, and Dr. Arden Bement, Acting Director, NSF.

University of California, Berkeley

Kara Nelson, Assistant Professor of Civil and Environmental Engineering at the University of California, Berkeley received the Presidential Early Career Award for Scientists and Engineers (PECASE) in an award ceremony at the White House on Sept. 9, 2004. She was nominated for the award by the National Science Foundation for her work on understanding the role of sunlight in the inactivation of pathogens in surface waters and natural treatment systems. The quantitative approaches developed in her research may lead to a reevaluation of water quality standards and improved methods for treating drinking water and wastewater using sunlight. Her educational activities encourage and support the participation of young scientists and engineers in international research and education opportunities, especially in developing countries.

The NSF press release (with links to the White House and other press releases) is at: http://www.nsf.gov/home/crssprgm/pecase/press.htm.

University of California, Davis

Dr. Frank Loge joined the Department of Civil & Environmental Engineering at the University of California, Davis as an Associate Professor. His principal areas of research focus are water reuse, fate and transport of contaminants in the environment, and optimization of existing treatment technologies and design of new treatment systems. The underlying theme of his research is to better understand the relationship between the structure and function of engineered/natural systems and human/environmental health. Recent work, initiated during a 1-year sabbatical with NOAA Fisheries, has focused on the dynamics of disease transmission, modulated by chemical and in-river (e.g., dams) stressors, in outmigrant juvenile salmon in the Pacific Northwest. Following completion of his Ph.D. from UC Davis (1998), Dr. Loge joined the faculty at Washington State University (1999). He received the National Science Foundation Faculty Early Career Award in 2001. Dr. Loge is a registered Professional Engineer in California. Dr. Loge will teach courses in environmental systems analysis and design as well as develop new curriculum linking health with environmental engineering.

Cranfield University

Cranfield names new head of school

Professor **Tom Stephenson** is the next Head of Industrial and Manufacturing Science at Cranfield University, one of Cranfield's five schools.

This strategic role will see Stephenson and his team shape the future of the university's activities in relation to materials selection and development, design, manufacture, quality assurance and business system integration through to process technologies and manufacturing management. Sectors served by the school include aerospace, automotive, motorsport, offshore, oil and gas, water, waste and other process industries.

A well respected academic, Stephenson is a Fellow of the Institution of Chemical Engineers (IChemE) and the Chartered Institution of Water and Environmental Management (CIWEM). Closely associated with a number of industry leaders, Stephenson is working with industry and government to promote innovation and expertise to strengthen British industry's competitiveness.

Speaking about his position, Stephenson said: "This represents a great opportunity to lead the school and help strengthen Cranfield's reputation as a world-class institution for postgraduate teaching and research. I am looking forward to developing our activities in relation to key areas of the economy such as manufacturing."

Further details about the School of Industrial and Manufacturing Science can be found at www.cranfield.ac.uk/sims.

Lehigh University

International Ion Exchange Award

Lehigh University Professor of civil and environmental engineering **Arup K. SenGupta** received the "International Ion Exchange" award on July 7, 2004 at the Cambridge University, England. The award is given every four years by the Separation Science and Technology Division of the Society of Chemical Industry (SCI) in United Kingdom to individuals who have made major contributions to the field of ion exchange in their professional careers. The award coincided with the 50th anniversary of the International Conference on Ion Exchange (IEX'04) held at Cambridge University during the week of July 5, 2004. SenGupta was recognized for his research in the area of environmental separation by ion exchange. SenGupta is the co-editor of the publication entitled ***"Ion Exchange & Solvent Extraction: A Series of Advances,"*** published by Marcel Dekker Inc. He was the recipient of AEESP's Frontier Research Award in 2001.

AEESP members

Send address changes to:

Joanne Fetzner
AEESP Business Office
2303 Naples Court
Champaign, IL 61822

University of Vermont

New engineering dean to bring innovative teaching model

The university has named **Domenico Grasso** dean of the College of Engineering and Mathematics after a year long national search. The search was led by Frances Carr, UVM's vice president for research and graduate studies. The appointment was announced July 6.

Grasso is currently the Rosemary Bradford Hewlett Professor and founding director of the pioneering Picker Engineering Program at Smith College in Northampton, Mass. Prior to that he was head of the Civil and Environmental Engineering department at the University of Connecticut. Grasso will formally begin his duties at UVM in January 2005 but will be working closely with the university in the intervening period.

"We're very pleased to have attracted a scholar and innovator of Dr. Grasso's stature to lead the College of Engineering and Mathematics," said President Daniel Mark Fogel. "A thriving engineering program is critical to UVM's and Vermont's future. Dr. Grasso's wide ranging accomplishments make us confident we have the right person for the crucial period ahead."

"Dr. Grasso is a valuable addition to the University of Vermont," said Vermont Gov. Jim Douglas. "As we move forward, it is my hope that the College of Engineering and Mathematics will play an increasingly important role in Vermont's efforts to inspire growth in the technology sector. I am optimistic that, together, President Fogel's vision and Dr. Grasso's leadership will offer Vermont many of the tools that we need to recruit and retain national high-tech firms for the future."

"I'm very excited by the opportunity to lead a first-rate program with a rich history to even greater heights of excellence," said Grasso. "The College of Engineering and Mathematics is not only in a growth mode, but the university's faculty and leadership are also interested in thinking creatively about what it means to be an engineer in the 21st century. I'm excited to be part of a university that is building such strong forward momentum over a range of fronts."

The Royal Society of Canada elects AEESP member

Dr. Daniel W. Smith, the Canada Research Chair in Environmental Engineering, has been elected to the Academy of Science of The Royal Society of Canada. The Fellowship is the highest award in Canada related to outstanding academic excellence. It is a substantial and meaningful recognition of his scholarly work, and is a significant recognition for the field of Environmental Engineering; he is the first Environmental Engineer in Canada to receive this honor. As Professor and Director of the Environmental Engineering and Science Program at the University of Alberta, he has guided over 80 masters and 20 doctorate graduate students to the completion of their degrees and published over 400 scientific and technical articles.

Also in 2004 he received the prestigious Krzysztof Lipinski Aquarina Award from the Ploisk Association of Sanitary Engineers and Technicians (PZITS) and Seen Technologie Inc. In 2003 he was awarded the Environmental Excellence Award, by the Association of Professional Engineers, Geologists and Geophysicists of Alberta. Dr. Smith is one of three Co-Directors of the new Alberta Ingenuity Centre for Water Research and a Co-PI in the Forest Watershed and Riparian Disturbance (FORWARD) Project.

Member news submissions

News items about AEESP members may be submitted for publication in the 'Member News' section by sending them to:

Amy E. Childress
AEESP Newsletter Editor
amyec@unr.edu

The submissions deadline for the April 2005 AEESP Newsletter:
March 1, 2005

In memoriam...

DeVere W. 'Rick' Ryckman

Founding Director of the Environmental Engineering Science Program, Washington University, St. Louis

Dr. DeVere W. "Rick" Ryckman, founding director and responsible for setting up the environmental engineering science department at Washington University, died Tuesday, Sept. 14, 2004, of complications of lymphoma at St. John's Mercy Medical Center in Creve Coeur. He was 80 and a resident of Ballwin.

Dr. Ryckman was brought up on a farm in South Boardman, Michigan. He attended the University of Maine before enlisting in the Navy as a member of the Construction Battalion, stationed in the Pacific while serving in World War II.

After his military service, Dr. Ryckman earned a bachelor of science degree from Rensselaer Polytechnic Institute in Troy, N.Y., one of the nation's oldest technological universities. Dr. Ryckman received a master's degree from Michigan State University and a doctorate of science from the Massachusetts Institute of Technology in environmental engineering.

In 1956, Dr. Ryckman moved to St. Louis, where he was in charge of setting up a new department in environmental engineering at Washington University. The Program was established with Drs. Edgerly, Burbank, Tomlinson, and Skrinde. He would teach there for the next 15 years. At the university, Dr. Ryckman was the A.P. Greensfelder professor of engineering.

In 1962, Dr. Ryckman helped organize a graduate program at the University of Hawaii. From 1963 to 1975, Dr. Ryckman was a partner in the environmental consulting firm RETA (Ryckman, Edgerly, Tomlinson and Associates). In 1975, he founded REACT (Ryckman, Emergency, Action and Consulting Team) which continues today on Sixth Street. His son, Stewart Ryckman of Ladue, is president of the company. His other son, Mark D. Ryckman of Atlanta, is the principal engineer of Remtech Engineers, another engineering consulting firm in Marietta, Ga.

Recently, the environmental engineering science department at Washington University in St. Louis established the Rick and Betty Ryckman lecture series. The annual lecture series invites individuals to further promote environmental engineering science education. The first Annual Ryckman Lecture was presented by Dr. Perry McCarty, Stanford University. The second Annual Ryckman Lecture was presented by Dr. Charlie O'Melia on November 5, 2004 on the campus of WUStL.

Dr. Ryckman was a member of the First Congregational Church of Webster Groves, St. Louis downtown Rotary Club, the Engineers Circle Club and the Washington University Eliot Society. He served on the board of the Salvation Army.

In addition to his sons, among the survivors are his wife of 55 years, Betty J. Ryckman; a daughter, Jill Ferguson of Chicago; three brothers, Seymour Ryckman of Dayton, Ohio, Willard Ryckman of northern Michigan and Clesson Ryckman of South Boardman; two sisters, Gene Woodhams of northern Michigan and Virgil Uitvlugt of Battle Creek, Mich.; and seven grandchildren. [Excerpted from an eulogy that appeared in the St. Louis Post Dispatch, Sept. 18, 2004.]

Joseph H. Sherrard

Distinguished Professor, Department of Civil Engineering, University of Nebraska-Lincoln

Dr. Joseph H. Sherrard, Distinguished Professor of Civil and Environmental Engineering at the University of Nebraska died July 12, 2004, following a short illness.

Dr. Joseph H. Sherrard, P.E., received all of his academic degrees in Civil Engineering. His B.S. degree was awarded by the Virginia Military Institute, M.S. degree with a specialization in Water Resources Engineering from California State University, Sacramento, and Ph.D. from the University of California, Davis, with a specialty in Environmental Engineering. Between the B.S. and M.S. degrees, he was employed by the California Division of Highways and served as an officer in the U.S. Army Transportation Corps. After obtaining graduate degrees, he served as a post-doctoral fellow at Cornell University and a faculty member at Oklahoma State University and Virginia Polytechnic Institute and State University before assuming the position of Professor and Head of the Department of Civil Engineering at Mississippi State University. Dr. Sherrard joined the Department of Civil Engineering at the University of Nebraska-Lincoln (Omaha Campus) as Distinguished Professor of Civil Engineering at the University of Nebraska-Lincoln in August of 1998.

He was author or co-author of approximately 130 technical articles and reports on various aspects of environmental engineering and has been awarded the American Society of Civil Engineers' Walter L. Huber Research Prize for contributions to the area of biological wastewater treatment. In addition, he received ASCE's Wesley W. Horner Award for a research paper on "Modeling Phosphorus Transport in Grass Buffer Strips." His research contributions were also recognized through the award of the Kelly Gene Cook, Sr. endowed chair in Civil Engineering at Mississippi State University. Dr. Sherrard received three Fulbright-Hays lectureship awards to assist in improving university level instruction in environmental engineering for the country of Ecuador and one additional Fulbright award to assist the country of Guatemala. Dr. Sherrard was also a registered professional engineer in the State of Nebraska and a Diplomate in the American Academy of Environmental Engineers.

UNIVERSITY OF SOUTH FLORIDA

The University of South Florida, Tampa, is excited to announce the addition of four new faculty members to the Water Resources and Environmental Systems program in the Department of Civil & Environmental Engineering. These new faculty members add unique strengths to a growing program poised to address environmental challenges, especially those related to sustainable water resources and ecology in Florida and beyond.

Dr. Peter G. Stroot joined the Department as an assistant professor in Spring 2004. He received his B.S. in General Engineering and M.S in Environmental Engineering from the University of Illinois at Urbana-Champaign in 1993 and 1999, respectively. He earned his Ph.D. degree in Environmental Engineering from the University of Cincinnati in 2004. His research interests include the development of novel anaerobic digestion processes for the treatment of diverse solid wastes, the development of a new high-rate nitrification process for domestic and industrial wastewater, the use of molecular biology tools to investigate the growth responses of specific microbial populations in bioreactors, and the development of new tools for the disposal of E-waste.

Dr. Jeff Cunningham joins the faculty in January 2005. He earned his M.S. and Ph.D. degrees from Stanford University in 1993 and 1999 and his B.S. degree in Chemical Engineering from Rice University in 1991. Cunningham's previous and current research includes field work, laboratory work, and mathematical modeling. Projects have included modeling the effects of sorption on contaminant transport in groundwater, treatment of drinking water contaminated by cyanobacterial toxins, pilot-scale in-situ remediation of groundwater contaminated by chlorinated solvents, and development of a new process to treat contaminated soil more effectively and inexpensively. Cunningham was an assistant professor in the Department of Civil Engineering at Texas A&M University and a postdoctoral researcher in the Department of Civil & Environmental Engineering at Stanford University.

Dr. Maya A. Trotz joined the Department as an assistant professor in Fall 2004. She received her B.S. in Chemical Engineering from the Massachusetts Institute of Technology in 1994 and her M.S. and Ph.D. degrees in Civil and Environmental Engineering from Stanford University in 1996 and 2002 respectively. She recently completed postdoctoral research with Prof. James O. Leckie at Stanford, and she also lectured at Nanyang Technological University in Singapore. Her areas of interest include the development of treatment technologies for inorganic contaminant remediation with a special emphasis on arsenic in drinking water and in landfill leachate, the use of nanoparticles in smart polymeric materials for catalytic applications, and assessing the environmental impact of large scale mining activities in developing nations, namely Guyana, Suriname, and the Caribbean.

Dr. Daniel H. Yeh joins the program as an assistant professor in January 2005. Yeh holds a B.S. degree in Natural Resources, B.S.E. in Civil Engineering, and an M.S.E. in Environmental Engineering from the University of Michigan, Ann Arbor. He earned his Ph.D. in Environmental Engineering from the Georgia Institute of Technology with Spyros Pavlostathis. His research and teaching interests include environmental bioprocesses and membrane technology for the purification of water and wastewater and the remediation of soils and sediments. Prior to joining the faculty at USF, Yeh worked as a postdoctoral research fellow at Stanford University with Craig Criddle and Bob Hickey on membrane bioreactors for wastewater treatment and reuse, with an emphasis on anaerobic processes. He is a registered professional engineer.

Employment Opportunities

Duke University

UNIVERSITY PROFESSORSHIP IN MARINE CONSERVATION AND TECHNOLOGY. Duke University's Nicholas School of the Environment and Earth Sciences and Pratt School of Engineering invite applications to fill the Randolph K. Repass and Sally-Christine Rodgers University Professorship in Marine Conservation and Technology.

This endowed professorship is a joint appointment of the Nicholas School and the Pratt School with residence at the Marine Laboratory in Beaufort, North Carolina. University Professorships are for scholars who have demonstrated their ability to transcend disciplines by producing superb scholarship in more than one area. We seek an individual of true eminence and excellence in the field of Marine Conservation and Technology, a research area that is defined broadly as the use of technology and engineering to protect, restore or maintain threatened or endangered marine species, communities or ecosystems.

We seek an engineer/scientist who is developing new approaches, not simply applying existing technology/concepts. Creative individuals from any discipline/field who envision that their work will advance marine conservation technology are encouraged to apply. The selection process will put particular emphasis on the applicant's record of accomplishment and promise of continuing progress. The position involves teaching, mentoring graduate and professional students as well as developing a vigorous research program.

Send C.V., summary of research interests and accomplishments, and the names of three references to: Prof. Richard T. Barber, Chair, 135 Duke Marine Lab Rd, Beaufort, NC 28516, rbarber@duke.edu. The review process will begin 12/1/04. The search will remain open until filled.

SENIOR FACULTY SEARCH IN ENVIRONMENTAL ENGINEERING. As part of the expansion of Duke University's Pratt School of Engineering the Department of Civil and Environmental Engineering (CEE) is now recruiting well-established faculty with a track record of excellence and leadership in environmental engineering. Additional information about the Pratt School of Engineering, and the Department is available at http://www.pratt.duke.edu and http://www.cee.duke.edu.

The CEE Department currently seeks outstanding mid-career (Associate or Full Professor), internationally known leaders in the fields of chemical and microbiological processes for pollution prevention, control and remediation in water, air and/or soil. We seek applications from individuals of true eminence in their research field, with a strong commitment to quality teaching. The successful candidates will be expected to have an exemplary, externally funded research program and an excellent teaching record at both the undergraduate and graduate levels. Candidates from traditionally under-represented groups in engineering are especially encouraged to apply. A Ph.D. in engineering is preferred, but candidates holding a Ph.D. in the natural sciences will also be considered.

Application materials should be uploaded electronically in a single file at http://www.cee.duke.edu/employment/ and must include: 1) cover letter; 2) curriculum vitae; 3) statement of research describing past, present and future activities; 4) statement of teaching experiences and philosophies; and 5) names and contact information for three references. Inquiries should be addressed to: Professor Ana Barros [919-660-5539 or ana.barros@duke.edu].

Evaluation of applications will begin on December 15, 2004, but applications will be accepted until the positions are filled. *Duke University is an Affirmative Action/Equal Opportunity Employer.*

University of Wisconsin-Madison

FACULTY POSITIONS, DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING. The Department of Civil and Environmental Engineering of the University of Wisconsin-Madison invites applications for faculty positions in the following specific areas:

- Environmental Science and Engineering (particularly Watershed Hydrology and Environmental Chemistry)
- Transportation (particularly Geospatial Information Systems)
- Geo-engineering

Applicants should have a Ph.D. and a strong background relevant to Civil or Environmental Engineering. The successful candidate is expected to have a distinguished academic record and exceptional potential for creative research, as well as commitment to both undergraduate and graduate instruction and to enhancing diversity in the profession. Candidates should also expect to participate in faculty governance, and in department, university, professional, and public service. For more senior applicants, an outstanding reputation in the field of specialty is a prime requirement. Information on the Civil and Environmental Engineering Department and the positions available can be found at http://www.engr.wisc.edu/cee/.

Send resume and cover letter (electronically, if possible) referring to Position Vacancy Listing #48978 to: Daniel R. Noguera, Chair of Hiring Committee, 1415 Engineering Drive, Madison WI 53706-1691, e-mail: noguera@engr.wisc.edu; Phone: 608-263-7783; Fax: 608-262-5199. Apply by February 15, 2005 to ensure consideration. *UW-Madison is an equal opportunity/affirmative action employer. We promote excellence through diversity and encourage all qualified individuals to apply.*

Rice University

ASSISTANT PROFESSOR POSITION. The Department of Civil and Environmental Engineering at Rice University invites applications for a tenure-track position at the level of Assistant Professor. Outstanding candidates with research experience in the following areas of civil engineering are encouraged to apply: sustainability of the built environment including geotechnical engineering or environmental fluid mechanics, especially related to hydrology and water resources or atmospheric modeling.

A successful candidate will be expected to develop an internationally recognized research program, participate in interdisciplinary and collaborative efforts at Rice University and with other institutions, and teach and advise students at the undergraduate and graduate levels. Rice University has state of the art teaching and research facilities. In addition, faculty are encouraged to foster collaborative efforts in areas aligned along the University's research institutes in the fields of nanotechnology, biotechnology, information technology, and environmental systems.

Applicants should submit a detailed résumé, a statement of teaching and research interests, and a list of at least three references to: Search Committee Chair, Department of Civil & Environmental Engineering - MS 318, Rice University, 6100 Main Street, Houston, TX 77005.

PROFESSOR AND CHAIR OF THE DEPARTMENT. Candidates for the position should have distinguished records of scholarship, teaching, funded research, and academic leadership. We are especially looking for a person in environmental engineering with the experience and vision to lead the continued development of a small but well-recognized department of civil and environmental engineering in a distinguished private university.

Successful candidates will be expected to lead the development of internationally recognized research programs, to participate in interdisciplinary and collaborative efforts at Rice University and with other institutions, and to teach and advise students at the undergraduate and graduate levels. In addition, they should be able to add to the department's participation in at least one of four University-wide areas of research focus (Nanotechnology, Biotechnology, Information Technology, and Environmental Systems).

Applicants should submit a detailed resume, a statement of teaching and research interests, and a list of at least three references to: Dr. Michael Carroll, Search Committee Chair, Department of Civil & Environmental Engineering - MS 318, Rice University, 6100 Main Street, Houston, TX 77005. *Rice University is an equal opportunity/affirmative action employer. Women and minority candidates are encouraged to apply.*

University of Colorado, Boulder

FACULTY SEARCH IN ENVIRONMENTAL ENGINEERING. The University of Colorado at Boulder, Department of Civil, Environmental and Architectural Engineering invites applications for a tenure-track position in environmental engineering to begin in Fall 2005. We expect to fill the position at the assistant professor level although exceptional candidates at a higher rank will be considered.

Water reuse and engineering for developing communities have been embraced as themes for the environmental engineering program. We are seeking individuals who can contribute to both areas and can integrate their research direction into the water reuse initiative. A wide range of specializations will be considered including water and wastewater treatment, water chemistry, system modeling, optimization, and risk management. In their application, candidates should address how their experience has prepared them for this position.

Information about the department and the environmental engineering program can be found at http://civil.colorado.edu. Qualifications include a Ph.D. in civil or environmental engineering or related field. Applicants should send a curriculum vitae, a statement of research and teaching goals, and the names and addresses of 3 to 5 references to: Professor R. Scott Summers, Search Committee Chair, Department of Civil, Environmental and Architectural Engineering, University of Colorado, Campus Box 428, Boulder, CO 80309-0428. Consideration of applications will begin on January 31, 2005 and continue until the position is filled. *The University of Colorado is committed to diversity and equality in education and employment; women and members of underrepresented minority groups are strongly encouraged to apply.*

The Johns Hopkins University

The Johns Hopkins University, Department of Geography and Environmental Engineering (http://engineering.jhu.edu/~dogee/) invites applications for a tenure-track position in environmental and/or resource economics and its application to public policy. The Department anticipates that the position will be filled at the Assistant Professor level, although exceptional candidates at the Associate or full Professor level will be considered as well. The Department is concerned with understanding the nature and dynamics of ecosystems, engineered systems, and societies and the design of engineering and scientific strategies and technologies to address pressing environmental problems. This position is a critical bridge in the interdisciplinary structure of the Department's program. The successful candidate would actively participate in the Department's undergraduate program in Environmental Engineering and its interdisciplinary graduate programs, especially the program in Systems Analysis & Economics for Public Decision Making.

Candidates should have a doctorate in economics, public

policy, management science, or other appropriate discipline, along with research credentials in a relevant field of applied microeconomic analysis. Candidates with education in engineering or physical sciences are especially encouraged. Experience in collaborating with engineers, environmental scientists, and social scientists on multidisciplinary projects is highly desirable. The appointee would be expected to establish a funded research program and to teach graduate and undergraduate courses in microeconomics for engineers, as well as environmental and natural resource economics, and quantitative analysis of public policy.

Send letter of interest, curriculum vitae, a one- to two-page summary of research and teaching competencies, relevant papers and publications, and the names of three references to Chair, Environmental Economics Search Committee, Department of Geography and Environmental Engineering, 313 Ames Hall, The Johns Hopkins University, Baltimore, MD 21218. Review of applications will begin immediately and continue until the position is filled. *Women and minorities are strongly encouraged to apply. The Johns Hopkins University is an EEO/AA employer.*

University of Michigan

TENURE-TRACK FACULTY POSITION. The Department of Civil and Environmental Engineering at the University of Michigan invites applications for a tenure-track faculty position in the general area of Hydrology. Applications in any area of hydrology will be given full consideration. Areas of particular interest include: hydrologic processes at the watershed scale, groundwater contaminant fate and transport, hydrologic remote sensing and in-situ sensor technologies, and water resources/climate interactions. The appointment can be at any level from assistant professor to full professor, consistent with the qualifications of the applicant. The selected candidate will be expected to teach undergraduate and graduate classes and to establish an active research program. The candidate would interact closely with the current 15 faculty in the Environmental and Water Resources program as well as other department faculty with related interests. Additional units within the University with which potential collaboration opportunities exist include the department of Atmospheric, Oceanic and Space Science in the College of Engineering and the School of Natural Resources and the Environment. Women and minority candidates are particularly encouraged to apply. The University is responsive to the needs of dual career couples.

Candidates should send a curriculum vitae, statement of teaching and research interests, and names and contact information for three references to: Professor Nikolaos Katopodes, Chair, Department of Civil and Environmental Engineering, Room 2345, GG Brown Building, University of Michigan, Ann Arbor, MI 48109-2125. *The University of Michigan is an Equal Opportunity/Affirmative Action Employer.*

Michigan State University

DEPARTMENT OF CIVIL & ENVIRONMENTAL ENGINEERING, ENVIRONMENTAL ENGINEERING FACULTY POSITION. Michigan State University Department of Civil and Environmental Engineering (CEE) invites applications for a tenure-track position in the environmental engineering area. This is a continuing academic-year position (9 months per annum). A Ph.D. in Civil, Environmental or Chemical Engineering, or a closely related discipline, is required. Consideration for appointment at a level above Assistant Professor requires a superior record of research publication and funding. Women and minorities are strongly encouraged to apply.

The successful candidate will be qualified to teach undergraduate and graduate courses and conduct research that complements the current environmental engineering focus on remediation, chemistry, and microbiology. A demonstrated ability to work in a collaborative environment on projects that are simultaneously driven by both basic science and application is highly desirable. Of particular interest are those with strong skills in environmental chemistry, physical-chemical processes, environmental biology, biological processes, ecological engineering or environmental health. Opportunities are available to collaborate with active research groups across campus in environmental chemistry and microbiology, environmental health, food safety, and infectious diseases.

Information about the CEE department is available at http://www.egr.msu.edu/cee, while the MSU environmental science and engineering focus is outlined at http://www.egr.msu.edu/environment. The position will be available May 1, 2005. Screening of applicants will continue until the position is filled.

Michigan State University enjoys a park-like campus of over 2,000 developed acres and over 3,000 acres of outlying research facilities and natural areas. The campus is adjacent to the city of East Lansing and the capital city of Lansing. The Greater Lansing area has approximately 446,469 residents. The local communities have excellent school systems and place a high value on education. Michigan State University is pro-active in exploring opportunities for the employment of spouses, both inside and outside the University.

Please submit a letter describing research and teaching interests, a detailed résumé, graduate transcripts, and the names and addresses of three or more references to Chairperson, Department of Civil and Environmental Engineering, Michigan State University, East Lansing, Michigan, 48824-1226. Applicants who are not U.S. citizens or permanent residents must state their visa type and status. *Michigan State University is an Affirmative Action/Equal Opportunity Employer. Applicants with disabilities have the right to request and receive reasonable accommodation.*

Michigan Tech

TENURE-TRACK ASSISTANT PROFESSOR POSITIONS. The Civil and Environmental Engineering Department at Michigan Technological University invites outstanding applicants for tenure-track Assistant Professor positions, beginning August, 2005. We are seeking individuals who can contribute to Department-led research and teaching initiatives related to: sustainability, focusing on both water resources and the built environment; infrastructure systems and hazard mitigation; transportation and materials engineering; and engineering in the developing world.

The candidate must demonstrate a strong commitment to excellence in teaching and research, with the ability to teach undergraduate & graduate courses, and perform scholarly activity in one or more of the following areas: construction, geotechnical, environmental, structures, transportation, and water resources. Candidates must demonstrate the ability to develop a strong externally funded research program in their area of expertise. A doctoral degree in civil or environmental engineering or closely related field is required. Registration or the ability to become registered as a Professional Engineer is highly desirable.

The Department (see www.cee.mtu.edu) includes 25 faculty, 30 staff, over 90 full-time graduate students, and over 500 undergraduates. Annual research funding exceeds $4 million and several degree programs are ranked by *U.S. News & World Report*. To apply, send a resume, statement of research and teaching interests, and names of three references to Dr. C. Robert Baillod (Department Chair), Civil and Environmental Engineering, Michigan Technological University, 1400 Townsend Drive, Houghton, Michigan 49931. Applications will be reviewed until the positions are filled. Women and under-represented groups are especially encouraged to apply. *Michigan Technological University is an equal educational institution/ equal opportunity employer.*

University of Minnesota

ASSISTANT PROFESSOR. The University of Minnesota, Department of Bio-based Products, College of Natural Resources invites applications for a tenure-track position at the Assistant Professor level in Corporate Environmental Management (CEM). The successful candidate is expected to establish a productive research program, with a preferred focus on industrial ecology/ corporate environmental management and in line with the overall goals of the department and the college. Teaching responsibilities include undergraduate and graduate level courses in the newly formed interdisciplinary CEM program collaboratively offered by the College of Natural Resources (CNR) and the Carlson School of Management (CSOM). Candidates with an interest in teaching life cycle analysis and additional interests in environmental management systems, environmental regulatory compliance, and supporting courses to our Bio-based Products programs are particularly encouraged to apply. Candidates must demonstrate strong commitment to research, teaching, and outreach. Full-time summer contracts for up to two years and start-up funds are available to help establish research program. Required: Ph.D. in environmental science, environmental engineering, management or related discipline with demonstrated experience/background in industrial ecology, corporate environmental management, or life cycle analysis. Ph.D. must be obtained by date of appointment.

Please send resume, cover letter, 2-3 page summary of teaching and research plans, transcripts, and names and addresses of three references to Dr. Tim Smith, Chair, Search and Screening Committee, Department of Bio-based Products, 222 Kaufert Laboratory, 2004 Folwell Avenue, St. Paul, MN 55108; ph: (612) 624-6755; fax: (612) 625-6286; e-mail: timsmith@umn.edu. The position will remain open until filled. For further information, visit our web site: www.cnr.umn.edu/BP or contact Dr. Smith. *The University of Minnesota is an equal opportunity educator and employer.*

Stanford University

TENURE-TRACK FACULTY POSITION. Stanford University's Departments of Civil and Environmental Engineering and Mechanical Engineering invite applications for a tenure-track faculty position in Renewable and Efficient Energy Systems. Of particular interest are individuals who will pursue pioneering and high-impact research in non-polluting renewable energy systems (including wind, solar, tidal, hydroelectric, hydrogen from renewables, etc.), energy efficiency, and/or distributed generation. Some research areas of interest include but are not limited to reducing barriers to or developing new technologies for the large-scale implementation of renewables, integrating renewable energy into transmission grids, integrating renewables into city and rural infrastructure, implementing renewable energy in developing countries, improving end-use efficiency and/or the efficiency of energy technologies, integrating distributed generation with existing utilities, and quantifying availability of natural energy sources. The appointment will be at the Assistant Professor or untenured Associate Professor level.

Applications should be printed and should include a curriculum vitae, a list of publications, a brief statement of research vision and teaching interests, and the names and complete contact information of three to five references. Review of appplications will begin January 15, 2005, and will continue until the position is filled. Applications should be mailed to: Associate Professor Mark Z. Jacobson, Chair, REES Faculty Search Committee, Department of Civil & Environmental Engineering, Terman Engineering Center, M-31, Stanford University, Stanford, CA 94305-4020. Information about the

Departments of Civil and Environmental Engineering and Mechanical Engineering, and the Atmosphere/Energy Program can be found at http://cee.stanford.edu/, http://me.stanford.edu/, and http://www.stanford.edu/group/atmosenergy/, respectively. *Stanford University is an equal opportunity, affirmative action employer.*

Texas A&M University

TENURE-TRACK FACULTY POSITION IN ENVIRONMENTAL BIOTECHNOLOGY. The Department of Civil Engineering, Dwight Look College of Engineering, Texas A&M University invites applications for a new tenure-track faculty position at the Assistant or Associate Professor level in Environmental Biotechnology. Candidates are expected to have a strong commitment to teaching excellence at the undergraduate and graduate levels, a demonstrable research capability that will enable the candidate to develop an externally funded, independent research program and publish in leading scholarly journals.

Requirements: Applicants must have an earned doctorate in civil engineering or a closely related field. Desired areas of emphasis include, but are not limited to:

- Biological methods for characterization and remediation of contaminated sites
- Biological sensors or sensor technology development and application
- Biological processes in natural systems
- Biological treatment of water and wastewater
- Biological aspects of the built environment
- Application of genetic techniques to characterizing natural and engineered environmental systems

Submit a detailed resume along with a brief statement of interests that includes vision for research and teaching, and the names and addresses of five references to: Dr. Robin L. Autenrieth, Chair of Environmental Biotechnology Search Committee, Department of Civil Engineering, Texas A&M University, 3136 TAMU, College Station, TX 77843-3136.

Review of applications will begin on January 15, 2005, and will continue until the position is filled. *Texas A&M University is an Equal Opportunity/Affirmative Action Employer committed to diversity. Women and minorities are especially encouraged to apply.* See http://www.civil.tamu.edu.

Utah State University

DEPARTMENT HEAD. Head and Professor of Civil and Environmental Engineering tenured position available in the Civil and Environmental Engineering Department at Utah State University (in a beautiful Rocky Mountain valley). Will provide overall leadership to the CEE Department including personnel, budgets, facilities, and class offerings; give direction to departmental fund raising, and support research and scholarship among faculty; establish and maintain strong relationships with industrial and educational organizations; and build on the current reputation to bring national and international prominence to Utah State University. Requires an earned doctorate in civil engineering, environmental engineering, or a closely related discipline; demonstrated credentials suitable for tenure as a full professor in the department; effective leadership, management, interpersonal, and communication skills; a significant record of research and professional activities; demonstrated dedication to undergraduate and graduate education; demonstrated teaching skills; and a commitment to diversity. See www.usu.edu/jobs (1-111-04). *AA/EOE.*

Safe Drinking Water

by Steve E. Hrudey and Elizabeth J. Hrudey

We all recognize the remarkable progress that our profession has made over the past century in developed countries to provide safe affordable drinking water to most consumers. In fact, when you think about all the ways that drinking water can become contaminated, delivering safe drinking water to millions in their households is a remarkable achievement. Yet, outbreaks still occur in rich countries and occasionally, the consequences are severe. In May 2000, the prosperous community of Walkerton, Ontario, Canada experienced an outbreak that infected 2,300 and killed 7. The experience of serving on the Research Advisory Panel to the public inquiry called to investigate this disaster motivated AEESP member Steve Hrudey of the University of Alberta and his wife, microbiology technologist, Elizabeth, to compile and analyze the documentation they had collected about waterborne outbreaks for the public inquiry.

Their efforts are now captured as a new book from IWA Publishing, *Safe Drinking Water - Lessons from Recent Outbreaks in Affluent Nations*, http://www.iwapublishing.com/template.cfm?name=isbn1843390426.

This 514-page book contains over 70 case studies from 15 rich countries over the past 30 years. The detailed accounts and evidence available for Walkerton was used to develop a template for developing the other case studies that were drawn from the refereed literature, public health agency reports and other public inquiries. Overall, the book aims to document what has gone wrong in a manner that will allow drinking water professionals to learn from the painful experience of others, without having to experience it first hand.

Respirometry for Environmental Science and Engineering

by James C. Young and Robert M. Cowan

Contents:

- **Fundamentals of respirometry**
  Biological growth relationships including their application to the design and operation of wastewater treatment processes.
- **Features of commercial respirometers**
  Basis for design and operation of commercial respirometers including discussions of their operating features.
- **Applications of respirometry**
  Applications for biochemical oxygen demand, biodegradation testing, toxicity assessment, anaerobic methane production, anoxic nitrogen production, biomass activity tests, and others.
- **Biodegradation Kinetics**
  Describes kinetic analysis procedures and shows how various kinetic parameters affect the modeling process.
- **Respirometry for process control**
  Topics include: OUR fingerprints, estimating active biomass concentrations, Set-Point OUR method for activated sludge process control, continuous monitoring using on-line respirometers, and short-term BOD.
- **Treatability testing**
  Describes methods for data acquisition and analysis to produce biological growth and kinetic parameters needed for design of full-scale biological processes.

For more about this book and its authors and for information on ordering, contact SJ Enterprises at respirometers@aol.com or by U.S. mail to: SJ Enterprises, P.O. Box 1623, Springdale, Arkansas USA 72764.

2005 AEESP Research and Education Conference

Pushing the Boundaries: Making Research and Education in Environmental Engineering and Science Count

July 23-27, 2005
Clarkson University
Potsdam, NY

Third International Congress on Ultraviolet Technologies

May 24-27, 2005
Whistler, British Columbia, Canada

The International Ultraviolet Association (IUVA) is proud to announce our Third International Congress on Ultraviolet Technologies. This event will be held in Whistler, British Columbia, Canada, May 24-27, 2005, the site of the 2010 Winter Olympic Games. This exciting venue promises to bring together many experts from around the world to exchange and discuss the latest research and development in the field of Ultraviolet Technologies relating to water and wastewater, air, medical, oxidation, photobiology, photochemistry, curing, modeling, new lamp technologies, small systems, and more. An exhibition will give delegates an opportunity to keep up-to-date with the latest industry trends, issues and developments. Enhancing an excellent technical and scientific program, participants can enjoy the beauty of the mountains surrounding the village of Whistler. To receive a brochure or for more information on exhibiting or attending the congress please contact: Kathy Harvey at the IUVA Head Office. By mail: IUVA, PO Box 1110, Ayr, ON Canada, N0B 1E0. By e-mail: kharvey@iuva.org. Check out our web site for congress information: **WWW.IUVA.ORG**.CEIS 2005.

International Conference on Civil Engineering Infrastructure Systems

June 6-8, 2005
Beirut, Lebanon

The objective of the conference is to provide a forum for national and international researchers, specialists, professionals and public administrators to share information, experience and knowledge, related to civil infrastructure systems, in an environment (Lebanon) where civil infrastructures have suffered total collapse due to the civil war, and are in need of drastic and modern solutions. The conference will consist of invited speakers and contributed oral presentations and will offer parallel sessions in different topics related to civil engineering infrastructure systems. The primary topics to be covered include high performance materials and structural systems, seismic performance and retrofit, infrastructure monitoring and assessment, geotechnical engineering, transportation systems and management, environmental and wastewater systems, and construction process control and quality assurance. For more information, please visit the conference website at: **http://webfea.fea.aub.edu.lb/ceis/**.

PACIFICHEM 2005

December 15-20, 2005
Honolulu, HI

In cooperation with the International Atomic Energy Agency
Technical Area 5: Environmental and Green Chemistry,
Symposium #70
Free Radical Chemistry in the Environment
William J. Cooper, Barrie M. Peake, and T. David Waite, Co-Chairs

The focus of this symposium will be on different aspects of free radical chemisty as it applies to environmental processes, environmental technology and green (polymer) chemistry. Various environmental processes occur via free radically mediated reactions including **aquatic photochemistry, atmospheric chemistry, advanced oxidation processes** in aqueous phase treatment, ionizing radiation and its applications, emerging aspects of **polymer chemistry** (green aspects), and **computational chemistry**. Five oral sessions will focus on five different topics of free radical chemistry providing an overview of the areas of interest. Poster sessions will be used extensively to fill out the topical areas. Students are encouraged to submit abstracts.

All delegates wishing to present a paper (invited or contributed, oral or poster) must submit an abstract online. Electronic abstract submission will open on January 17, 2005 and close April 13, 2005. Late submissions will not be accepted, the web address will be: **http://www.pacifichem.org/c_abstracts/**.

NOTE: The AEESP membership application is also available online at **http://www.aeesp.org/org/membership.html**.

Application for Membership

Association of Environmental Engineering and Science Professors

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

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. Upon retirement, members may apply to the AEESP Board for Emeritus membership if they have been AEESP members for at least 20 years, or have been a member for fewer years but have contributed substantially to AEESP through service on committees or as an officer.

RANK / STATUS	ANNUAL DUES
Regular Member (Professor)	$ 75.00
Regular Member (Assoc. Professor)	$ 60.00
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Affiliate Member	$ 50.00
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Please return this form along with your dues and c.v. to the Secretary of AEESP:

Kimberly L. Jones
Department of Civil Engineering
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2300 Sixth Street NW
Washington, DC 20059

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

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Please send submissions and comments to the editor:
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To estimate the amount of lead time needed for your announcement, please note that members receive the newsletter 4-6 weeks after the submissions deadline.

Please send address changes to:
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