



WISE Undergraduates Go to Washington

Over the summer, two engineering students ventured into the realm of public affairs after AIChE selected them as 2012 WISE (Washington Internships for Science and Engineering) interns.

Caitlin Andersen, a Presidential Scholar at the Univ. of Iowa, and Denise (Xiaochen) Liu, a recent graduate from the Univ. of Toledo, spent two months in Washington, DC, developing their skills and broadening their perspectives on how engineers impact society and modern life. As part of the program, which ran from June 4 to Aug. 3, the students prepared and delivered papers on public policy topics based on what they learned in their intern roles.

Andersen's paper, "Precision Agriculture Technologies: Improved Nitrogen Efficiency and Atmospheric Pollution," dealt with strategies to help the agricultural sector mitigate nitrous oxide emissions and create a more sustainable environment for food production. Liu's paper, entitled "Improve the U.S. Medical Device Regulatory Pathways: Regulatory and Legislative Policy Levers," discussed the need for improvements in the regulatory process to minimize the delay in patients' access to lifesaving medical technology. Andersen and Liu, along with WISE interns sponsored by other organizations, including IEEE and ASME, presented their work on Aug. 1 on Capitol Hill.

The WISE interns' research papers are published online in the Sept. 2012 edition of the *WISE Journal of Engineering and Public Policy*, available at www.wise-intern.org/journal.

Anderson, currently a senior at the Univ. of Iowa, will graduate in Spring 2013 and plans to attend law school to

specialize in environmental and air pollution compliance in the chemical and agricultural industries. Liu, who graduated in May 2012, is now a biomedical engineering graduate student at the Univ. of Toledo School of Medicine.

Rated one of the top internship programs in the U.S. by *The Princeton Review*, the WISE program selects undergraduate engineering students to conduct research on public policy issues during the summer in Washington, DC. The students have the opportunity to learn about the interactions between the engineering community and the government in matters of public policy, and to see how engineers can contribute to decision-making on complex technological matters.

This marked the 29th year in which AIChE has nominated at least one chemical engineering student for the WISE program. Because AIChE does not maintain a Washington, DC, office, the American Chemical Society provided office space and facilities for AIChE's interns.

Applications for the 2013 WISE program are now being accepted. The deadline for applications is Dec. 31, 2012. For details, visit www.aiche.org/community/awards/washington-internships-students-engineering-wise.

AIChE JOURNAL WILL FEATURE THE ANNUAL MEETING'S "BEST PAPERS"

The editorial team of *AIChE Journal* is collaborating with AIChE meeting session chairs to identify some of the most compelling and innovative research presented at the recently concluded 2012 Annual Meeting (held Oct. 28 to Nov. 2 in Pittsburgh, PA) — and to invite the authors to publish their work in a new *AIChE Journal* Annual Meeting Best Papers series.

According to Mike Harold, Editor-in-Chief of *AIChE Journal*, the editorial team has asked all Annual Meeting session chairs to nominate the "best paper" from their sessions by mid-November. The editors will then invite the nominated presenters to submit their papers, which will go through the *Journal's* normal rigorous peer-review process.

Harold says that the *Journal's* editorial team is planning to debut the first selection of Annual Meeting Best Papers in the first half of 2013.

Published in collaboration with John Wiley and Sons, *AIChE Journal* is the Institute's foremost peer-reviewed publication, covering groundbreaking research in chemical engineering and related fields. For more information about the Best Papers series, contact the Editor-in-Chief, Mike Harold (mharold@uh.edu) or Associate Editor Sotiris Pratsinis (pratsinis@ptl.mavt.ethz.ch).



Photo: Erica Wissoflik

▲ Rose Wesson (left) of the National Science Foundation and AIChE's Board of Directors, who also leads the WISE program for AIChE, and Steve Smith (right), AIChE's director of publications and communications, congratulate AIChE's 2012 WISE interns: Caitlin Andersen (center left) of the Univ. of Iowa, and Denise (Xiaochen) Liu (center right) of the Univ. of Toledo.

Connie Carroll Memorial Award Will Support Young AIChE Members

This year, the AIChE Foundation launched several initiatives to ensure that the Institute has a well-informed and dedicated group of young members and future leaders, including a Young Professionals Apprentice Program and an associated Volunteer Leaders for the Future fundraising effort (see the Sept. 2012 issue of *CEP*, p. 72). An additional component of the Foundation's investment in young leaders recognizes the legacy of one of AIChE's most dedicated volunteers.

The Connie Carroll Memorial Award has been established by Connie Carroll's friends and colleagues to honor her extraordinary service to AIChE and her commitment to the chemical engineering profession. The award will provide up to three years of free AIChE membership for as many as ten young professionals per year. The recipients will be selected from among those young engineers who apply or who are nominated by other AIChE members. To qualify, the potential awardees must agree to participate in AIChE activities in one or more of three areas in which Connie had special interest:

- volunteering to work with AIChE's Young Professionals Committee
- providing guidance to chemistry and chemical engineering students, and encouraging them to continue a career in science, engineering, or technology and to participate in AIChE
- participating in AIChE's public awareness and outreach activities.

To support these awards of membership for young professionals, the AIChE Foundation has established the Connie E. Carroll Memorial Award Fund.

Connie, who passed away in 2011, was a Trustee of the AIChE Foundation, and served as a director and secretary of AIChE in the 1990s. She also had a long history of involvement in AIChE public outreach, working with local sections

and chemical engineering students, and as a mentor to young professionals.

Information on how to apply (or submit a nomination) for the Connie Carroll Memorial Award can be found at www.aiche.org/community/awards/connie-carroll-memorial-award.

Contributions to the Connie E. Carroll Memorial Award Fund can be made at <https://www3.aiche.org/donation/index.asp>, or by contacting the AIChE Foundation at 646-495-1342 or giving@aiiche.org.



Donors Boost Connie Carroll Award

As of Oct. 15, the following AIChE members and leaders had pledged their support for the Connie E. Carroll Memorial Award Fund.

- Alfred E. Wechsler (initiator and lead donor)
- Shariq Yosufzai (lead donor)
- William D. Byers
- Basil C. Doumas
- Richard E. Emmert
- Bruce A. Finlayson
- H. Scott Fogler
- Gerhard Frolich
- E. Dennis Griffith
- Dale L. Keairns
- Terry Langevin
- Soni O. Oyekan
- David A. Rosenthal
- Alan P. Rossiter
- Otis A. Shelton
- Stephen R. Smith

For details about the program, visit www.aiche.org/community/awards/connie-carroll-memorial-award

In Memoriam

Hubert L. Balay, 85, Sheffield, AL
David B. Coghlan, 91, Kennett Square, PA
Max R. Dietz, 66, Battle Creek, MI
Duane L. Evans, 65, Plano, TX
George D. Gould, 91, Orinda, CA
Robert A. Johnson, 88, Fullerton, CA
David M. Jungroth, 76, San Mateo, CA
Seymour Kraut, 80, Newton, MA
John R. Manspeaker, 82, Preston, IA

Gerald J. Minore, 55, Cary, NC
Mansukhlal Parekh, 99, Mumbai, India
Paul S. Sacks, 76, Cazenovia, NY
Walter C. Saeman, 98, Rocky Mount, NC
Sahag Sahagian, 83, Southborough, MA
Leonard E. Savory, 89, Estes Park, CO
Roger W. Tate, 86, Des Moines, IA
J. R. Welker, 76, Springdale, AR
Alfred E. Withrow, 84, Dickinson, TX



AIChE Meetings Calendar

For information and registration details, visit www.aiche.org/conferences or call Customer Service at 1-800-242-4363 or 1-203-702-7660 (outside the U.S.)

NOV. 11–14, 2012	Sustainability in (Bio) Pharmaceuticals (A conference organized by the Institute for Sustainability (IfS) and the Society for Biological Engineering (SBE)) Sheraton Old San Juan • San Juan, PR
DEC. 3–5, 2012	Arctic Technology Conference George R. Brown Convention Center • Houston, TX
JAN. 13–16, 2013	SBE's 4th International Conference on Biomolecular Engineering Hyatt Pier 66 • Fort Lauderdale, FL
JAN. 31 – FEB. 1, 2013	2013 Midwest Regional Conference Illinois Institute of Technology • Chicago, IL
FEB. 24–26, 2013	SBE's 3rd International Conference on Accelerating Biopharmaceutical Development Marriott Resort • Coronado Island, CA
FEB. 26–27, 2013	Quality by Design in Biologics (A conference organized by the Society for Biological Engineering) Marriott Resort • Coronado Island, CA
MAR. 29–30, 2013	2013 Center for Chemical Process Safety (CCPS) South Asia Conference (AchemAsia) Mumbai, India
APR. 28 – MAY 2, 2013	AIChE Spring Meeting and 9th Global Congress on Process Safety Grand Hyatt San Antonio • San Antonio, TX
MAY 6–9, 2013	Offshore Technology Conference (OTC) Reliant Park • Houston, TX
AUG. 25–29, 2013	58th Annual Safety in Ammonia Plants and Related Facilities Symposium Marriott Frankfurt Hotel • Frankfurt, Germany
NOV. 3–8, 2013	2013 AIChE Annual Meeting San Francisco Hilton • San Francisco, CA

Webinars

Register and view live and archived webinars at www.aiche.org/resources/webinars.

DEC. 12, 2012 2:00–3:00 PM ET	Safety in the LNG Value Chain Presented by Georges Melhem and Henry Ozog
FEB. 6, 2013 2:00–3:00 PM ET	Strategies for Addressing ABET Safety Curriculum Requirements Presented by Tom Spicer and Kim Ogden

AIChE Education Calendar

Instructor-Led Training

For more information, and to register for AIChE Instructor-Led Training courses, visit www.aiche.org/education.

NOV. 28–30, 2012 ORLANDO, FL	Essentials of ChE for Non-Chemical Engineers Course # CH710 • Instructor: Jack Hipple
DEC. 3–5, 2012 ORLANDO, FL	Distillation in Practice Course # CH004 • Instructor: John P. Farone
DEC. 4–5, 2012 ORLANDO, FL	Flow of Solids in Bins, Hoppers, Chutes, and Feeders Course # CH032 • Instructor: Eric Maynard
DEC. 5–7, 2012 ORLANDO, FL	CCPS's Emergency Relief Systems Design using DIERS Technology Course # CH173 • Instructors: Two of the following: Robert D'Alessandro, Harold Fisher, John Hauser, James Huff, Arthur Shaw
DEC. 5–7, 2012 ORLANDO, FL	CCPS's The OSHA Regulatory Approach to Process Safety Management Course # CH501 • Instructor: Adrian Sepeda
DEC. 6, 2012 ORLANDO, FL	Pneumatic Conveying of Bulk Solids Course # CH033 • Instructor: Eric Maynard
FEB. 25–27, 2013 NEW ORLEANS, LA	Essentials of ChE for Non-Chemical Engineers Course # CH710 • Instructor: Jack Hipple
MAR. 4–6, 2013 LAS VEGAS, NV	CCPS's The OSHA Regulatory Approach to Process Safety Management Course # CH501 • Instructor: Adrian Sepeda
MAR. 4–6, 2013 NEW ORLEANS, LA	CCPS's HAZOP Studies and other PHA Techniques for Process Safety and Risk Management Course # CH157 • Instructor: Robert Johnson
MAR. 7–8, 2013 NEW ORLEANS, LA	CCPS's Advanced Concepts for Process Hazard Analysis Course # CH754 • Instructor: Robert Johnson
MAR. 11–12, 2013 HOUSTON, TX	Heat Exchanger Design and Operations Course # CH294 • Instructor: Thomas G. Lestina
MAR. 11–13, 2013 LAS VEGAS, NV	CCPS's Emergency Relief Systems Design using DIERS Technology Course # CH173 • Instructors: Two of the following: Robert D'Alessandro, Harold Fisher, John Hauser, James Huff, Arthur Shaw
APR. 9–10, 2013 SAN FRANCISCO, CA	Flow of Solids in Bins, Hoppers, Chutes, and Feeders Course # CH032 • Instructors: Eric Maynard, Herman Purutyan
APR. 11, 2013 SAN FRANCISCO, CA	Pneumatic Conveying of Bulk Solids Course # CH033 • Instructor: Eric Maynard, Herman Purutyan