



Moving Forward Giving Back

AIChE Foundation Newsletter

OCTOBER 2014

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Peter B. Lederman

Note from Chairman & Executive Director

As we move into Fall, we are looking forward to seeing you at the 2014 AIChE Annual Meeting in Atlanta, where thousands of chemical and biological engineers and scientists from around the world will come together to network and share advancements in research, development and emerging areas within the chemical engineering field.

Our Annual Meeting is an exciting place to witness the growth of the Institute and the diversity of dedicated engineering professionals involved within AIChE. It is also an opportunity for our more experienced colleagues to engage and mentor our newest members and foster connections that will last throughout their careers.

But most importantly, it is an opportunity for us to say thank you for the critical role you play as an engaged supporter of the AIChE Foundation. Your philanthropic involvement in AIChE continues to guarantee that we can go forward and maintain our profession as vital, for today and for generations to come.



June C. Wispelwey

In this issue, we are honored to recognize David and Karen Eckhardt's

generous endowment gift to AIChE, as well as to highlight key meetings and special events scheduled for our meeting in Atlanta. We hope to see many of you there and to be able to express our gratitude in person.

Again, we would like to thank each and every one of you for demonstrating what chemical engineers are capable of achieving together.

Sincerely,



Peter B. Lederman
Chair, AIChE Foundation



June C. Wispelwey
Executive Director



2014 AIChE Annual Meeting

November 16 – 21 • Atlanta, GA

Join us in Atlanta! The AIChE Annual Meeting is the premier educational forum for chemical engineers interested in innovation and professional growth. Academic and industry experts will cover wide range of topics relevant to cutting-edge research, new technologies, and emerging growth areas in chemical engineering.

[Featured Events](#)
[Register today!](#)
[Hotel information](#)

Foundation Related Events

Sunday, November 16th

4:30 – 5:15pm: Honors Reception - Invite Only
5:30 – 7:00pm: AIChE Honors Ceremony
7:00 – 8:30pm: AIChE Welcome Reception
7:30pm: Donor Recognition Dinner – Invite Only (Abattoir Restaurant)

Monday, November 17th

2:00 – 4:30pm: Board of Trustees Meeting – Trustees Only

Honors Reception at the Annual Meeting in Atlanta

Please join us for a small reception prior to the Honors Ceremony to honor Award winners and new Award Sponsors.



Thank you, **Air Products**, the lead sponsor of an AIChE Institute Award for achievements in industry and sponsoring the [AIChE Energy and Sustainability Award](#). This award is given to individuals in industry, teams from industry, or entire companies who have accomplished significant energy savings, improved the sustainability of chemical processes, or developed innovative technologies for energy generation or delivery that hold significant promise of favorable economic or environmental impact.

Air Products' gases, materials, technological solutions and expertise

enable customers in over 30 industries to be more productive, energy efficient, and sustainable. This Award reflects Air Products' focus and its employees' commitment to protect people and the environment and be a positive influence in their operating communities around the world.



Thank you **Evonik Industries**, the [2014 Sponsor of the AIChE Founders Award](#), recognizing outstanding contributions in the chemical engineering field.

The Foundation is pleased to announce the Professional Progress award has been renamed the **Andreas Acrivos Professional Progress Award** in Chemical Engineering. A fundraising effort was launched at the end of 2013 by Dr. Acrivos' friends and former students and together this distinguished group of "Founding Donors" has raised over \$140K toward the endowment of this important award. [Click here](#) for a list of the founding donors.



David Eckhardt

Donor News

David & Karen Eckhardt Make \$100K Gift to AIChE Foundation

The Foundation of the American Institute of Chemical Engineers (AIChE) has received a gift to fund annual conferences for chemical engineering undergraduates in the northeastern U.S.

David R. Eckhardt and his wife, Karen, along with the Pfizer Foundation Matching Gifts Program, are donating more than \$100,000 to create the Northeast Student Regional Conference Endowment Fund. This generous gift will ensure financial support to sustain and expand one of AIChE's most robust student activities.

The Northeast Regional Conference is one of nine annual AIChE regional student meetings. The conferences provide scholarly and professional development opportunities for chemical engineering students, and includes research paper and poster competitions, as well as annual Chem-E-Car™ Competitions.

Peter Lederman, Chair of the AIChE Foundation, lauded Eckhardt's gift saying, "Dave and Karen's philanthropic leadership sets an example for others to follow, and is a worthwhile investment in the future of the chemical engineering profession."

More than 300 undergraduate chemical engineers attend each year's Northeast Conference, representing AIChE student chapters and members at the following schools: Brown, Clarkson, Cornell, Massachusetts Institute of Technology, McGill, Northeastern, Rensselaer Polytechnic Institute, Rochester Institute of Technology, Syracuse, Tufts, Université Laval, University of Connecticut, University of Maine, University of Massachusetts-Amherst, University of Massachusetts-Lowell, University of New Brunswick, University of New Hampshire, University of New Haven, University of Rhode Island, University of Rochester, Worcester Polytechnic

Institute, and Yale.

The 2015 Northeast Student Regional Conference will be hosted by the student chapters from Massachusetts Institute of Technology and Northeastern University. Information about the 2015 regional conference series can be found at <http://www.aiche.org/conferences/student>.



John Televantos

John Televantos: Setting a Standard of Excellence

Partner, Arsenal Capital Partners

AIChE Foundation: What does chemical engineering mean to you?

John Televantos (JT): Chemical engineering sits squarely at the intersection of chemistry and bringing valuable products and materials to the world. Without chemical engineering, no matter how brilliant the product or material, making that product a commercial reality would not be possible. Chemical engineering is the most practical way of solving some of the world's greatest challenges, such as problems related to efficiency, waste reduction, impurity reduction, new product commercial production and safety measures, just to name a few areas of impact. No matter the scale we, as chemical engineers, have a big impact on meeting the evolving societal needs.

AIChE: What are you working on that may most positively impact society or the future?

JT: We're helping smaller companies in the chemical and material sector grow, get more competitive, and use technology and better business practices to advance their goals.

AIChE: How has your relationship with AIChE helped you to fulfill your professional and personal goals?

JT: AIChE has always been there as a catalyst and facilitator...making introductions to other industry leaders and specialists while providing motivation and support. As the leading proponent for chemical engineers and chemical engineering, AIChE, rightfully so, advocates that doing good for the world at large is also good business.

[Read the October CEP article, Profile John Televantos: Creating Value in Business and the Economy.](#)

2014 Gala: Engineering Diversity

Friday, December 5 • Grand Hyatt Hotel • New York, NY



A celebration of a diverse and culturally integrated chemical engineering profession will bring together leaders of the AIChE and companies in the chemical process and related industries for AIChE's Gala. This year's event will honor organizations that have found strength in diversity. Funds raised will go towards AIChE's continued efforts to promote diversity in the chemical engineering workforce, through support for the Institute's student activities; K-12 and public outreach; and professional development and award programs by the Minority Affairs and Women's Initiatives Committees, Local Sections, and student chapters.

The 2014 Gala Honorees include Patricia A. Woertz, Chairman and CEO of Archer Daniels Midland Co.; Ryan M. Lance, Chairman and CEO of ConocoPhillips; and Raj L. Gupta, Chairman of Avantor Performance Materials and Senior Advisor at New Mountain Capital. These company leaders will be recognized for exemplifying a personal commitment to a diverse culture in their companies and practices.

The Co-Chairs are John Y. Televantos, partner at Arsenal Capital Partners; S. Shariq Yosufzai, Vice President for Global Diversity, Ombuds, and University Affairs at Chevron; Karen A. Fletcher, Vice President for Engineering, Facilities Services, and Real Estate, and Chief Engineer at DuPont; and Todd A. Werpy, Senior Vice President of Research and Development at Archer Daniels Midland Co.

Read more about the Gala [Here](#).
[Reserve your seat!](#)

2013 Gala: Ethics in Engineering Projects

AIChE's 2013 Gala in November celebrated "Recognizing Excellence in Engineering Ethics." Funds raised from the gala are being used to continue the expansion of ethics training, both through undergraduate education and through life-long learning for chemical engineering undergraduates and the profession.

Here are some examples of how the funds were spent.

- **Ethics in Engineering Short Film:** As part of building awareness for the importance of Ethics in undergraduate education and the profession, funds from the generous support of gala sponsors have been used to promote AIChE's own code of ethics through a short film which features ChemE Students and AIChE members on Ethics and Chemical Engineering. [AIChE's Code of Ethics](#) states that our members "hold paramount the safety, health and

welfare of the public and protect the environment in the performance of their professional duties.” By building awareness of AIChE’s own code of ethics we are addressing what future chemical engineering leaders know about the importance of ethics in the profession. AIChE interviewed chemical engineering students and members who discussed their thoughts on how ethics influence engineers’ decisions and processes. Watch the video at <https://www.youtube.com/watch?v=FojnALLNgok>

- **eLearning Courses – Ethics of Sustainability & Ethics for Chemical Engineers:** to create courseware in the ethics of various aspects of the profession and a standalone eLearning course that will qualify for the credit needed to renew PE licenses. Members and other customers will gain important knowledge, be able to earn a credential, and/or qualify for renewal of their PE licenses.
- **SACHe Ethics Modules – Process Safety:** In order to allow electronic access to SACHe Safety Modules for all students of chemical engineering each year, a Learning Management System was procured. The system allows for collaboration between students and professors in a community environment as well as private discussions and questions to experts. There are 9 modules in total.

Developing a culture of Process Safety is paramount to the AIChE mission of promoting excellence in ethics in Chemical Engineering. Preventing accidents, teaching best practices and engendering a safety culture is critical to the image of the profession and is quite importantly, simply the right thing to do and enhances our standards for this Industry.

For more information about the 2013 Gala, please visit <http://www.aiche.org/resources/conferences/events/gala/2013-11-21>.

100 Donors in 100 Days! Join the Minority Affairs Committee (MAC) Futures Fund

Thanks to increased levels of donor support, and annual funding from the AIChE Foundation, MAC has made enormous strides in increasing scholarships for underrepresented minority students, establishing professional awards for minority faculty and industry members, and providing new mentorship opportunities and peer support for up-and-coming faculty.

To keep this momentum going and build an even stronger base of support, especially for future leaders, MAC is looking to engage 100 donors in 100 days to demonstrate a collective commitment to support diversity in AIChE, the profession, and society at large. All donors prior to January 1, 2015 will be listed as “Founding Members” of MAC’s new MAC Futures Fund. A gift, at any level, will help MAC provide new priority initiatives that support:

- Revival of the Minority Faculty Forum
- Scholarships for freshmen and upperclassmen, including 3 new scholarships sponsored by MAC and WIC (Women’s Initiative Committee)

MAC Archive project

- Resources for young professionals

Support the MAC Futures Fund! [Donate today.](#)

2014 AIChE Annual Fund Project Funding

Donations made to the Annual Fund enable the AIChE Foundation to support key programs and

initiatives that increase excellence in chemical engineering practice, education and awareness. Each year the Foundation invites our Operating Councils and Board Committees to submit proposals for funding that have the greatest impact on the Institute's members and our profession. Since 2008, the Annual Fund has supported:

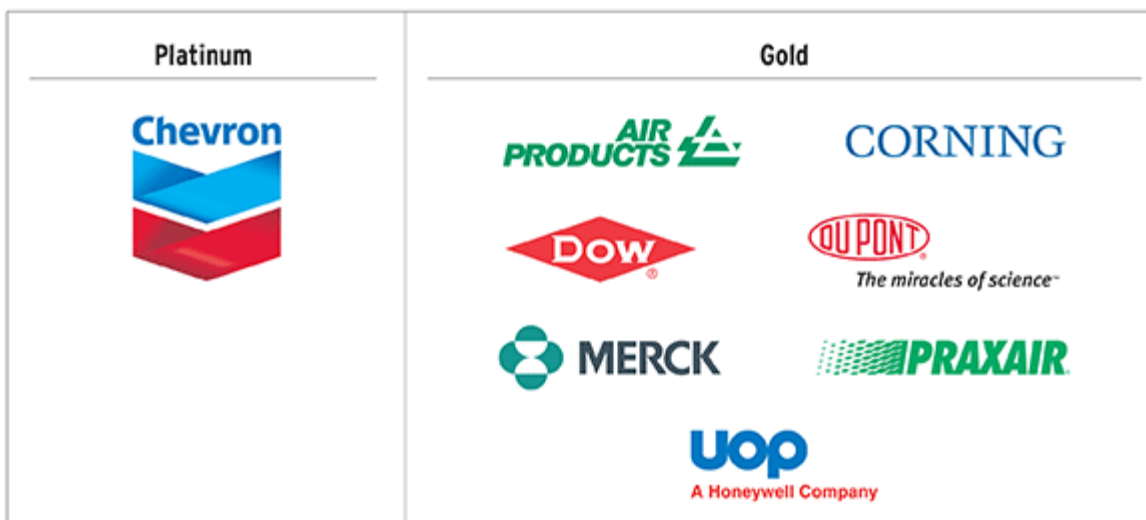
- Programs that magnify AIChE's global reach and effectiveness
- Educational initiatives that enhance undergraduate curricula and lifelong learning
- Engagement of young professionals who will become the next generation of leaders in our field
- Awareness and information on critical issues pertaining to energy, water and sustainability
- Products and services using the latest web technologies for today's on-the-go chemical engineers

We are pleased to announce the following programs that have been approved for funding in 2014 and look forward to their impact and success:

- **International Student Chapter Leadership Development Travel Grant**
The International Student Chapter Leadership Development Travel Grant will be awarded on the basis of leadership involvement in student chapter activities, academic achievement, and financial need. Currently only 6% of the student participation each year is international. To facilitate the participation and leadership development of the international student leadership at the conference, representative of all the international regions, funding is necessary to cover international travel expenses. Recipients will also be asked to submit a post-conference article for publication in the Student newsletter. Read about [International Student Chapters](#)
- **Encouraging Global Engagement in the Global Home for Chemical Engineers**
Encouraging faculty and industrial partners to provide opportunities and encourage students to participate in international projects will serve to develop professionals who can see the opportunities in global challenges and advance the profession. The initiative aims to familiarize students with the benefits of international projects to their professional and personal development as well as a means of global community service. It also aims to encourage engagement and collaboration between AIChE and Engineers without Borders (EWB) student chapters (amongst others). [Read about AIChE student chapters.](#)
- **Minority Affairs Committee (MAC) Scholarship Program**
With the help of member support and the AIChE Foundation, MAC has granted scholarships to more than 300 under-represented minority engineering students since the programs inception in 1994. The MAC scholarship program has provided \$1,000 per recipient to incoming college freshmen and current college student scholars, and has also worked to build a mentorship dimension for the scholarship recipients. This program has provided scholarships based on merit and need. MAC will add two additional scholarships set aside for returning MAC scholars who are making reasonable progress towards a bachelor's degree. The goal is to help build the connection with AIChE and help keep track of scholars through their undergraduate career.

Read more about MAC's scholarship and Award Programs [here](#).

ScaleUp Sponsors



Sponsors as of September 15, 2014

Giving Society Donors as of September 1, 2014



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The AIChE Legacy Society was established in 2007 to honor all those who have taken the special step of including AIChE in their long-term plans through a bequest provision, life-income gift, or other deferred giving arrangement.

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Sangtae Kim	June C. Wispelwey
Peter B. Lederman	Anonymous
Roberto Lee	*deceased

If AIChE is in your long term plans, or you would like more information about the Legacy society and the Planned Giving Program, please contact the Foundation anytime:

By web: <http://www.legacy.vg/aiche/giving/1.html>

By telephone: 646-495-1342

By email: giving@aiche.org

Leaders Society

While gifts of all sizes are gratefully acknowledged, AIChE extends a special thank you to our Leadership Donors for their annual gifts of \$1,000 or more to the AIChE Foundation.

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Andreas Acrivos Award for Professional Progress in Chemical Engineering

Founding Donors for the Andreas Acrivos Award for Professional Progress

in Chemical Engineering.

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Contact Us

Peter B. Lederman

Chair, AIChE Foundation

Email: pblederman@verizon.net

Cathy Diana

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Email: cathd@aiiche.org • Tel: 646.495.1340

Lisa Lanzkowsky

Director, Major Gifts & Events

Email: lisal@aiiche.org • Tel: 646.495.1351

Darcy Lorin

Director, Corporate Sponsorships

Email: darcl@aiiche.org • Tel: 646.495.1398

Stephanie Viola

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