



Moving Forward Giving Back

AIChE Foundation Newsletter

MARCH 2014



Peter B. Lederman
Chair,
AIChE Foundation

From the Chairman

Every Gift Counts

It's gratifying and a privilege to be associated with dedicated professionals like you. You demonstrate the pride you take in being a chemical engineer through your generous contributions that fund innovative and worthwhile AIChE initiatives.

Having just closed the books on 2013, I want to offer my sincere thanks to each and every one of you for making it such a remarkable year. The AIChE Foundation raised \$1.1 million to underwrite new and existing programs.

Fundraising is a team effort, from first time donors making Annual Fund gifts of \$25, to long-time supporters who include AIChE in their estate plans. *Every gift counts.*

Here are some giving highlights from 2013:

- 3,611 individuals made a gift of up to \$1,000
- 41 individuals contributed between \$1,000 and \$4,999
- 11 individuals contributed between \$5,000 and \$9,999
- 3 individuals contributed between \$10,000 and \$24,999
- 2 individuals contributed between \$25,000 and \$75,000
- AIChE's Annual Gala, which recognized Excellence in Engineering Ethics, raised approximately \$400,000 from corporate and individual gifts
- AIChE's ScaleUp programs, which supports over 15,000 students, raised approximately \$162,000 from corporate gifts
- The Institute's Board of Directors and the Foundation's Trustees contributed a total of \$100,000

Large or small, each dollar matters and is put to good use. In the pages that follow, I believe you'll be heartened by the ways your investment in AIChE makes a difference for our Institute, for our profession, and for society.

As we step into a new year, we hope we can count on you again. We're setting our sights high, and raising our fundraising target to \$2 million, so we can increase these crucial philanthropic efforts.

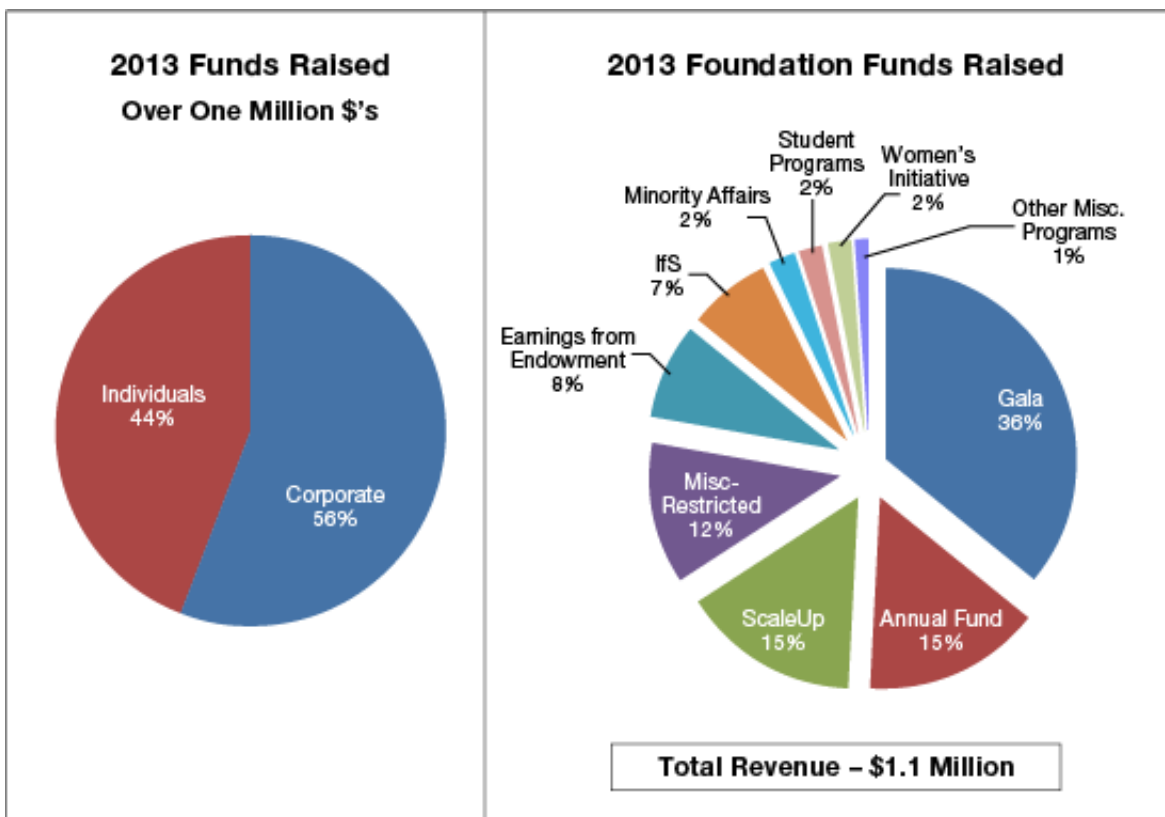
Thank you for taking pride in your profession and for playing a significant role in AIChE's growth as the global home for chemical engineers.



Peter B. Lederman

Chair, AIChE Foundation

2013 Financials Update



- Gala revenues grew by a rate of 7%
- The Endowment received contributions of \$49K bringing the balance to \$768K
- Corporate giving and fundraising partnerships continue to grow
- New awards continue to launch

2013 AIChE Annual Meeting, San Francisco, CA — Highlights

AIChE Donor Recognition Dinner

The 7th Annual Donor Recognition dinner was held at the award-winning AQ restaurant and Bar in San Francisco, CA on the evening of November 3rd. Over 80 donors attended and mingled with friends and colleagues, new and old. A record-breaking 28 donors* were honored for either joining one of the Foundation's Giving Societies and/or whose cumulative giving level was raised due to their generous gifts to the Institute in 2013. Tom Edgar was also recognized as AIChE's "Fundraiser of the Year" award for his outstanding leadership in "peer-to-peer" fundraising for the [David C. Himmelblau Award](#).

*28 Donors

Welcome to the Cumulative Giving Society Platinum Level

Vern Weekman

Welcome to the Cumulative Giving Society Gold Level

James Mathis

Welcome to the Cumulative Giving Society Silver Level

Noubar Afeyan

Charles Cooney

Michael Thien (on behalf of Merck)

Liangzhi Xie

Welcome to the Cumulative Giving Society Sustainer Level

Arun Chandavarkar

Stephen Fox

Jonathan & Kaia Goldstein

Wei-Shou & Sheau-Ping Hu

Duen-Ganga Mou

Hong Woo Park

Welcome to the Cumulative Giving Society Sponsor Level

Tzyy-Wen Chiou

James Hill
Eugene Schaefer
Araba Lamouse Smith
James & Maureen Swartz

The following donors advanced their Cumulative Giving level in 2013 to Silver

Dianne Dorland
Eduardo Glandt
Dale Keairns
Emmett Miller
John Tao
S. Shariq Yosufzai

The following donors advanced their Cumulative Giving level in 2013 to Sustainer

Syamal Poddar
Phillip Westmoreland



Foundation Chair, Peter Lederman,
presents Jim Porter, Jr., with
Outgoing Chair Plaque.



Members of the Foundation Board of Trustees
enjoy the dinner and listen to toasts at
AQ Restaurant and Bar.

“The Promise”

A new short film about the legacy and future promise of chemical engineering — premiered at AIChE’s 2013 Annual Meeting in San Francisco. The film, produced by the AIChE Foundation, reflects on the heritage of the chemical engineering profession, the founding of AIChE, and the promise that the profession has always held for shaping the modern world. Using the film, the Foundation seeks to raise awareness and financial support for the many Grand Challenges that chemical engineers and the Institute are undertaking to fulfill those promises for the future. The film is narrated by John. J. McKetta, Professor Emeritus of the Univ. of Texas at Austin and an AIChE Foundation Trustee. [Read more and watch “The Promise.”](#)

Stuart W. Churchill Honored at 2013 AIChE Annual Meeting

Churchill, who served as president of AIChE in 1966, was honored at the 2013 AIChE Annual Meeting in San Francisco for his enormous contributions to chemical engineering scholarship and education, and to the profession in general. [Watch the video.](#)

“AIChE Gala Spotlights Ethics, Raises Funds for Ethics Education and Training”

Chemical Engineers, business leaders, young professionals, and students gathered with AIChE leaders at the Institute's Annual Gala on Thursday evening, Nov. 21, to build awareness for the central role of ethics in engineering practice. This year's event held at New York City's Plaza Hotel, raised \$400,000 to support the expansion of ethics training for chemical engineering undergraduates, as well as to support lifelong-learning opportunities for professional engineers.

The gala honored three leaders from the manufacturing, engineering and construction, and industrial gases industry sectors: David M. Cote, Chairman and CEO of Honeywell; David T. Seaton, Chairman and CEO of Fluor; and Stephen F. Angel, Chairman, President, and CEO of Praxair. Raj L. Gupta, Chairman of Avantor Performance Materials and Senior Advisor at New Mountain Capital, served as the gala's chair and host. [Read more about the gala.](#)



David M. Cote
*Chairman and CEO of
Honeywell*



David T. Seaton
Chairman and CEO of Fluor



Stephen F. Angel
*Chairman, President, and
CEO of Praxair*

Remembering John C. Chen 2006 AIChE President and Legacy Society Member



John C. Chen

John C. Chen, the Carl R. Anderson Professor Emeritus of Chemical Engineering at Lehigh Univ. (Bethlehem, PA), and AIChE's president in 2006, died suddenly on Dec. 30, 2013.

Chen was an internationally known scholar in transport phenomena in multiphase systems and a pioneer in heat transfer theory and practice. His 1966 paper entitled Correlation for Boiling Heat Transfer to Saturated Fluids in Convective Flow developed the “Chen Method” of predicting the rate at which heat must be transferred to liquid to make it boil. The method became the standard for designing vapor-liquid boiling systems used in the chemical, power, refrigeration, petroleum, nuclear, and gas industries. Since that early discovery, Chen continued to make seminal contributions to various facets of heat transfer science and technology across his career. [Read full article.](#)

Donors Leading the Way

John Cirucci

When I support the AIChE Foundation, I know my investment is magnified



John Cirucci

to impact many people. For example, the Foundation supports chemical engineering students working on global humanitarian engineering projects through Engineers Without Borders – USA. These Foundation grants enable students by providing travel and supply support for water and energy projects in developing world communities. The Foundation support provides a rich, service learning experience for a few students, but provides basic human infrastructure for hundreds, if not thousands, of people in need.

John Cirucci
FAIChE, AIChE Board Director, Senior Engineering Associate at Air Products



Stanley Proctor

Stanley Proctor

“I have always believed that a true professional has many responsibilities — and that among them is the need to support those organizations that have influenced his/her professional career ... The trigger for making such a gift was the AIChE Foundation's 21st Century Campaign. The driver was to support my professional society that has meant so much to me over my professional career. It is my opinion, and in my case it is a fact, that all the effort you expend to support your professional society is repaid many fold. The more you put in the more you get back.”

Stanley Proctor
AIChE Legacy Society Member, Past Chair of the AIChE Foundation Board of Trustees in 1998-2000 and Past President of the Institute in 1987.

Program Highlights

Young Professional's Leadership Challenge: Volunteer Leaders for the Future

We are excited by the energy shown by the 65 Young Professional (YP) apprentices participating in the AIChE Leadership Challenge. The initiative, funded by Institute Leaders, supports a three-year subsidized membership program for young professionals, ages of 23-35, in exchange for their volunteer involvement and participation in AIChE. Currently, over 20 of the 65 YPs are involved in K-12 outreach projects. Other case studies include Engineers Without Borders, Green Economy and Water Initiatives.

YP Apprentice, Carol Mak, of the South Texas Local Section, said, “Now that I am a young professional, I would like to give back to this organization that has taught me so much. I am grateful for being accepted into the apprenticeship program where I plan to work with a colleague on establishing more outreach to the K-12 and collegiate population in Houston to facilitate interest in math, science, and chemical engineering. I also hope to help promote AIChE to more undergraduate students and encourage them to maintain their membership throughout their professional careers.”

[Nominate a Young Professional!](#) Read about some of our apprentices: [Nemoy Rao](#), [Alia Khan](#), [Meagan Lewis](#).

Spotlight on [The Institute for Sustainability](#)



Thanks to generous donor support, IfS is making great strides in their mission to serve the needs of and influence the efforts of professionals, academes, industries, and governmental bodies that contribute to the advancement of sustainability and sustainable development.

One such donor, who asked to remain anonymous, generously donated \$75,000 to IfS programs! What an incredible gift to help fund the following programs:

- The [AIChE Credential for Sustainability Professionals \(ACSP\)](#) is being launched to offer practicing engineers, faculty and graduate students a specialized credential in sustainability. The program comprises an online self-assessment, 2 master level courses, and a capstone case study design project. In order to expand the catalogue of available courses, efforts are underway to evaluate and compile approved graduate-level sustainability courses from Universities worldwide, and a new series of **Sustainability E-learning** courses is being developed.



- IfS members periodically conduct [webinars](#) addressing sustainability issues as part of the AIChE Webinar Series. Past webinars include *Resilience and Sustainable Development and Green Design*, *Green Energy*, and *Sustainability* by SEF and *Water Reuse Challenges and Hydraulic Fracturing* by the International Society for Water Solutions (ISWS). The first webinar planned for 2014 will address the topic of Corporate Social Responsibility and Ethics.
- **The Sustainable Packaging Cosmetics Roundtable (SPCR)**, with members from major cosmetics companies organized under the Center for Sustainable Technology Practices (CSTP) of AIChE's Institute for Sustainability, enters its third year of operation. SPCR members work with suppliers, retailers and customers to advance sustainable packaging. Their latest effort is the development of the Sustainable Materials Commodity Guide — a comprehensive list of packaging suppliers' sustainability attributes. For more information on these programs, please contact [Lucy Alexander](#), Technical Product Associate, Institute for Sustainability.

Save the Date! March 30 - April 3, 2014

2014 Spring Meeting and 10th Global Congress on Process Safety
Hilton New Orleans - Riverside





Our Donors

Cumulative Giving Society

The AIChE Cumulative Giving Society was established in 2006 to acknowledge the ongoing support of key donors to the Institute, without whom, AIChE Foundation activities would not be possible. This Society recognized cumulative giving to AIChE Foundation activities and campaigns since 1994.

Diamond (\$100K and above)

Gordon A. Cain*
John J. McKetta
John P. Sachs*
Darlene S. Schuster
John A. Sofranko
Klaus D. Timmerhaus*

Platinum (\$50,000 - \$99,999)

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Scott D. Love
Stanley I. Proctor
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Vern W. Weekman

Gold (\$25,000 - \$49,999)

Richard E. Emmert
Deborah L. Grubbe
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James F. Mathis
James B. Porter
Warren G. Schlinger
James A. Trainham
Alfred E. Wechsler
June C. Wispelwey

Silver (\$10,000 - \$24,999)

Andreas Acrivos
Noubar Afeyan
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Eduardo D. Glandt
Hugh D. Guthrie*
Thomas R. Hanley

Sustainer (\$5,000 - \$9,999) - continued

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Kaia & Jonathan Goldstein
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Darsh T. Wasan
Wendy Young-Reed

Sponsor (\$2,500 - \$4,999)

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Shariq Yosufzai	Gintaris V. Reklaitis
	Ronald W. Rousseau
Sustainer (\$5,000 - \$9,999)	Eugene Schaefer
Robert F. Anderson	Daniel Schultheisz
Maria K. Burka	James R. Swartz
William D. Byers	Hendrick C. Van Ness*
Arun Chandavarkar	Roland Voorhees*
Charles R. Cutler	R. Kenneth Wolfe
James R. Deam	*deceased

Legacy Society

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.

James M. Braus	John J. McKetta
William D. Byers	Michael J. Morgan
Elizabeth* & Albert* V. Caselli	Soni O. Oyekan
John C.* & Katherine L. Chen	Stanley I. & Carol J. Proctor*
Edward L. Cussler	Charles E. Reed*
Dianne Dorland	David A. Rosenthal
Basil "Bill" C. Doumas	John P. Sachs*
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Richard Fielitz*	John A. Sofranko & Carol S. Lee
Deborah L. Grubbe & James B. Porter	George C. Szego *
William H. Harlacher*	John C. Tao
Sheldon E. & Anita Isakoff*	Glenn E. Taylor
Raphael Katzen*	Klaus D. Timmerhaus*
Dale L. & Von Keairns	James A. Trainham

Sangtae Kim
 Peter B. Lederman
 Roberto Lee
 Edward R. H. McDowell

June C. Wispelwey
 Anonymous
 *deceased

If AIChE is in your long term plans, or you would like more information about the Legacy society and 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

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Vern W. Weekman

James Wei

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June C. Wispelwey

S. Shariq Yosufzai

*Honorary

**Emeritus



The Giving Corner

Every gift to the AIChE Annual Fund makes a big difference

Your donation helps fund programs and initiatives that support members and the chemical engineering profession including:

- Undergraduate Education and Lifelong Learning
- Minority Affairs Committee Scholarship Fund
- Volunteer Leaders for the Future
- Washington Internship for Students in Engineering
- K-12 Outreach
- Engineers Without Borders Student Grants
- Women's Initiatives Committee Travel Grants
- New initiatives addressing Grand Challenges: Center for Energy Initiatives, International Society for Water Solutions
- Institute for Sustainability

Your gift, large or small, matters. Help make a difference.

[Donate today.](#)



June C. Wispelwey
Executive Director

Note from Executive Director

When I see the growth in the number of donors supporting the AIChE Foundation's work each year, I feel deeply grateful for your generosity and dedication. Your pride in the promise of our profession and investment in AIChE are having a transformative impact. Thanks to you, the Institute is able to do more for our members, our profession, and society.

Your philanthropic engagement with AIChE is securing a future of strong, committed chemical engineering leaders. How? You are supporting a multitude of scholarship and award opportunities and programs like the Leadership Challenge/Apprentice Program. Last year, participation in the Leadership Challenge grew to more than 65 young professionals, all of whom demonstrate leadership skills in their local communities by engaging in projects ranging from K-12 outreach to post-graduate assistance programs.

Last year \$1.1 million was raised through individual and corporate contributions and is supporting innovative programs that are working to meet society's grand challenges in energy, sustainability, water supply and quality, food security, and healthcare. As you see from the Spotlight on Sustainability, the AIChE's Credential for Sustainability Professionals is being launched to offer practicing engineers, faculty, and graduate students a specialized credential in sustainability. The Sustainable Packaging Cosmetics Roundtable (SPCR) has developed the Sustainable Materials Commodity Guide – a comprehensive list of packaging suppliers' sustainability attributes, and the Institute for Sustainability continues to

address sustainability issues as part of the AIChE's webinar series.

As Peter Lederman, the AIChE Foundation's chair, says in his letter, "every gift counts." No matter the size of your gift, you are part of the effort to assure that chemical engineers have a greater impact on the world. You are also enhancing the technical knowledge, satisfaction and fulfillment that AIChE members find in their careers.

Thank you for your commitment to our profession and to AIChE.



June C. Wispelwey
Executive Director



Let Your Company Double or Triple Your Impact!

Many companies have a matching gift program; you give an amount and they donate the same. All you have to do is inquire. 100% of both donations directly fund AIChE programs in need of support.

Contact Us

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5/1/2014

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