

## TEST YOUR AQ (ACRONYM QUOTIENT)

# WHAT DO THE FOLLOWING AIChE ACRONYMS STAND FOR?

Score 1 point for each correct answer. Rating: 4 = good; 6 = excellent; 8 = genius; 10 = congratulations, apply for a job on the AIChE Foundation team

**1. DAWG**

**6. IDEAL**

**2. FOSSI**

**7. LGBTQ+**

**3. UPSLI**

**8. WIC**

**4. MAC**

**9. DORIC**

**5. SAcHE**

**10. LEE**

Answers appear on last page of special section.

## **AIChE Foundation**

Campaign Update  
Spring 2022

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The Doing a World of Good campaign funds five transformative priorities identified by the AIChE community as imperative to supporting and advancing the good that chemical engineers bring to the world:

- Attracting and Retaining the Best and the Brightest
  - Education, Training and Career Development
  - Research and Innovation
  - Safety and Ethical Practice
  - Changing Perceptions
- 

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# WE'RE MAKING AN EXTRAORDINARY IMPACT

Thanks to your generous contributions to the Doing a World of Good campaign, AIChE's communities, programs, and initiatives are making an extraordinary impact on the profession.

On the next few pages, you'll learn about some of the many ways we're affecting positive change — and the individuals and companies that are making it possible.



**The Doing a World of Good campaign continues to expand its impact by supporting extraordinary initiatives, programs, and communities that are bringing about positive change.**

### RESEARCH & INNOVATION

Our need for groundbreaking ideas and innovative solutions is accelerating at an unprecedented rate, making it more important than ever for engineers to address societal challenges.

Launched in 2019, AIChE's **Langer Prize for Innovation and Entrepreneurial Excellence** is named for biomedical pioneer Robert Langer (MIT). The prize — administered by AIChE's Center for Innovation and Entrepreneurial Excellence — provides an unrestricted grant up to \$100,000 to enable early-career creative researchers and engineering



*Aditya M. Kunjapur (University of Delaware), 2021 Langer Prize Fellow*

entrepreneurs to pursue game-changing innovations that may lead to significant positive societal impacts.

2022 will see the fourth Langer Fellow selected, joining individuals whose blue-sky ideas are leading to important and life-changing innovations.

### SAFETY & ETHICAL PRACTICE

Doing things safely, responsibly, and ethically is at the heart of Doing a World of Good.

**The Undergraduate Process Safety Learning Initiative (UPSIL)** is a major global effort and core campaign priority to accelerate process safety education and better



*Lehigh University Class of 2021 Bachelor of Science Chemical Engineering Graduates*

prepare graduates for the workforce.

Since launching UPSIL in 2015, more than 226,148 Safety and Chemical Engineering Education (SACHE®) certificates have been awarded to students worldwide, with 734 universities participating in the UPSIL curriculum, and 789 faculty members educated at industry-hosted workshops.

By teaching and advancing worldwide standards in process safety education, we're helping to minimize safety incidents, and to make the world we live in more livable for everyone.

### ATTRACTING & RETAINING THE BEST & THE BRIGHTEST

The Doing a World of Good campaign supports programming that is attracting people who bring different experiences and points-of-view to chemical engineering, broadening its appeal and helping to open the doors of the profession to all.

With a goal to achieve parity in the workplace by 2050, **All for Good: Engineering for Inclusion** is funding important new programs to address gender, racial, and other imbalances in the engineering workforce. Our programs are cultivating inclusion from the classroom to the boardroom — attracting, retaining, and advancing the best of the next generation of chemical engineers.



**The Future of STEM Scholars Initiative (FOSSI)** was established in 2020 to help eliminate financial barriers for historically underrepresented groups and increase diversity in the STEM workforce. FOSSI is open to freshmen pursuing preferred STEM degrees at Historically Black Colleges and Universities (HBCUs). Scholars receive \$10,000 per year for four years as well as leadership development, mentoring, and internship opportunities at sponsoring companies.

The **K-12 STEM Ambassador Program** introduces traditionally underserved populations to STEM. Thanks to a generous gift from AIChE Foundation Trustee Dan Coombs and his wife Ellen — and to Dow for donating the content and providing training — the Ohio State University Student Chapter launched the program in three middle school classrooms, igniting students' imaginations.

Students attending the **Minority Affairs Committee (MAC) Real Talk Speed Mentoring & Poster Session** were counseled by industry leaders from AIChE's Board of Directors, Foundation Trustees, and volunteers.

The **MAC Eminent Engineers Award Ceremony** also featured nine students presenting their posters at the 2021 Annual Meeting in Boston.

## CHANGING PERCEPTIONS

By educating the public that the world around us would not be the same, or as livable, without the contributions of chemical engineers, we build trust, gain recognition, and change beliefs.

**The IDEAL Path to Equity, Diversity, and Inclusion** is an initiative that organizes AIChE's efforts to achieve 100% parity in the profession. Members are encouraged to take three easy steps to open the doors of engineering for all: Make a Commitment, Join a Community, and Advance a Career.

**Help Wanted** is a major new outreach effort to help make



*Sindia Rivera-Jiménez (right) receives the IDEAL Star Award at the 2021 AIChE Annual Meeting from June Wispelwey, former Executive Director and CEO of AIChE.*

the engineering profession more attractive to the next generation, raise awareness among K-12 teachers and students about STEM, and increase enrollment in engineering/STEM-focused undergraduate majors. It will also change public perceptions of engineering by reinforcing that it is the best profession to address global challenges concerning the quality of life and sustainability on our planet.

**The AIChE LGBTQ+ & Allies Initiative** aims to increase inclusion, participation, and progress of all gender and sexual minorities within the profession. To expand

this program, the LGBTQ+ & Allies Initiative Endowment Steering Committee collectively underwrote a \$10,000 matching gift challenge, celebrating PRIDE and allyship in honor of LGBTQ+ History Month in October.

## EDUCATION, TRAINING, & CAREER DEVELOPMENT

By funding education, training, and career development programs, AIChE is ensuring that chemical engineers have access to programs that allow them to reach their potential and have a positive impact on the world.

Convening once every five years, the **Summer School for Chemical Engineering Faculty** brings together nearly 200 new professors with more experienced faculty peers to enhance teaching techniques, build collaborations, and increase networking and mentoring connections.

Thanks to a generous gift from long-time AIChE volunteers Christine and Regan Seymour, Lehigh University Class of 2021 BS ChE graduates each received **an additional year of free AIChE Young Professional Membership** to add to their first free year, which is sponsored by AIChE.

The AIChE Foundation had another successful year with the **Leadership Workshop for Rising Star Women Engineers**. This signature event for high performing early- to mid-career women drew nearly 250 attendees from industry and academia. The program utilizes best practices and research on gender to advance professional goals.





# Corporate Honor Roll

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\$5,000,000 and up



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Dan and Ellen Coombs,  
2021 Doing a World of Good  
Campaign Champions

**"My wife,  
Ellen, and I  
are delighted  
to support  
the campaign  
by helping to  
bring STEM to  
traditionally  
underserved  
populations."**

— Dan Coombs  
Foundation Trustee

DOING  
A WORLD  
OF GOOD

JOIN US

## BONUS QUESTION:

# WHAT DOES THE FOLLOWING AIChE ACRONYM STAND FOR?

## 11. MAEDT

### Answers to Test Your AQ quiz

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1. Doing a World of Good; 2. Future of STEM Scholars Initiative;  
3. Undergraduate Process Safety Learning Initiative; 4. Minority Affairs  
Committee; 5. Safety and Chemical Engineering Education;  
6. Inclusion Diversity Equity Anti-racism and Learning; 7. Lesbian  
Gay Bisexual Transgender Queer and others; 8. Women in Chemical  
Engineering Community; 9. Disabilities OutReach & Inclusion Community;  
10. Leadership Equity and Engineering  
11. (Bonus Question) Make An Extraordinary Donation Today — no really,  
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communities, programs, and initiatives that are advancing the profession.