

UNITED ENGINEERING FOUNDATION, INC



2016 ANNUAL REPORT

Founder Societies

American Institute of Mining, Metallurgical and Petroleum Engineers (AIME)

American Institute of Chemical Engineers (AIChE)

American Society of Civil Engineers (ASCE)

American Society of Mechanical Engineers (ASME)

Institute of Electrical and Electronics Engineers (IEEE)



UNITED ENGINEERING TRUSTEES

ANNUAL REPORT – 2016

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ANNUAL REPORT - 2016

In 2016, the United Engineering Foundation (UEF) celebrated its 112th year of operations. The UEF continued the robust tradition as a significant leader in the engineering community. The UEF maintained an endowment that closed the year with funds in excess of \$17,750,000. This is up slightly from 2015. This portfolio provided resources for the funding of additional grants in 2016 that demonstrated the Foundation's continued commitment to its vision of advancing the engineering arts and sciences for the welfare of humanity.

These grants focused our efforts on our Board of Trustees' priority areas:

1. Diversity
2. Kindergarten -12th Grade Education
3. Ethics and Leadership in Continuing Education

At the conclusion of the Annual Trustees Meeting in September 2016 Ian Sadler handed over the presidency of UEF to Robert Stevens. Ian served the UEF in an effective and gracious way for the past few years.

Following the practice of annually approving a slate of grants, the UEF Board of Trustees in September 2015 approved five grants for funding in 2016. These grants collectively totaled \$774,000 and are listed below:

- a. \$77,000 to DiscoverE to engage Engaging Students in Engineering
- b. \$28,000 ASME Engineering Public Policy Symposium, American Society of Mechanical Engineers
- c. \$337,000 Dream Big! Building Engineering Capacity, American Society of Civil Engineers
- d. \$250,000 to ASME Engineering for Change Solutions Library, American Society of Mechanical Engineers
- e. \$82,000 National Society of Black Engineers, The 50K Coalition

In mid-2016 the Foundation's Grant Committee reviewed 28 concept papers totaling nearly \$3,443,315 million and invited 17 of the 33 to submit full proposals for a total of \$1,243,600. The Committee recommended 5 proposals for funding in priority order for Board approval. Board of Trustees approved the funding of the 8 proposals totaling \$765,071 in 2017 as follows:

- a. \$28,000.00 to American Society of Mechanical Engineers (ASME), to host an Engineering Public Policy Symposium in 2017 as a collaborative effort among a large number of engineering societies including ASCE, AIChE, AIME, ASME and IEEE-USA.
- b. \$200,000.00 to the National Society of Black Engineers (NSBE), to support the infrastructure of The 50K Coalition activities to promote diversity in the Field of Engineering.
- c. \$25,933.00 to University of Southern California Viterbi School of Engineering, to support The S.T.E.M., an engineering news web series aimed at engaging middle school girls in science, technology, engineering, and math.
- d. \$88,138.00 to Tufts University, to support the creation of and projects on www.NovelEngineeringChallenges.org, a website that supports a wide variety of adults in bringing engaging engineering challenges to students.
- e. \$75,000.00 to American Institute of Chemical Engineers' Center for Chemical Process Safety (CCPS), to support Risk, Not Chance, an educational outreach program that will develop and distribute a series of videos for educational outreach to key stakeholders including high school STEM students, general public, and first responders.
- f. \$98,000.00 to National Engineers Week Foundation doing business as DiscoverE to support the 25th anniversary campaign of Future City Competition, a project-based learning program where students imagine, research, design, and build cities of the future.

Fund in part:

- g. \$100,000.00 to YWCA Silicon Valley, to support the Curated Pathway to Innovation App, a virtual career counselor that assists students interested in engineering professions in pursuing a curated set of proven programs to enable their success in the industry.

- h. \$150,000.00 to American Society of Mechanical Engineers (ASME), to support the next development phase of Engineering for Change, an online academy and solutions library program, including growing the online academy, growing product conformance networks, and scaling structured program processes.

The United Engineering Foundation manages its resources, controls operating costs and maximizes funding with a strategic investment approach to provide funds for grants that serve the profession. The actions taken by the Foundation as described in this annual report demonstrate that the United Engineering Foundation is committed to our mission “to support engineering and education by, among other means, making grants.”

Robert Stevens
President

Patrick J. Natale
Executive Director



2016 UEF OFFICERS, TRUSTEES,

STAFF AND ADVISORS

BOARD OF TRUSTEES 2016

President and Trustee: Ian Sadler
Vice President and Trustee: Sam Y. Zamrik
Treasurer and Trustee: Robert Stevens
Secretary and Trustee: Patrick J. Natale
Trustee: Thomas G. Loughlin
Trustee: Howard Michel
Trustee: Elena A. Gerstmann (replacement for Thomas G. Loughlin mid-year)
Trustee: E. James Prendergast
Trustee: Mark Rubin
Trustee: Thomas W. Smith
Trustee: Cheryl Teich
Trustee: June C. Wispelwey

SUPPORT 2016

Executive Director: Patrick J. Natale

GLENMEDE – Administrative Support 2016

Nina Cohen
Rosemary DiRita
Rebecca Knisley

GLENMEDE – Investment Support 2016

Adam Psichos
Adam Conish

ADVISORS 2016

Auditors: Shapiro & Duffalo, P.C.
Investment Advisor: Glenmede Trust
Legal Counsel: Davidoff & Malito, LLP

BOARD OF TRUSTEES 2017*

President and Trustee: Robert Stevens
Vice President and Trustee: Howard Michel
Treasurer and Trustee: J. Robert Sims
Secretary and Trustee: Patrick J. Natale
Trustee: T. Bond Calloway Jr
Trustee: George Luxbacher
Trustee: Elena A. Gerstmann
Trustee: E. James Prendergast
Trustee: Mark Rubin
Trustee: Thomas W. Smith
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Katelyn Flaherty

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*Effective September 2016