

# UNITED ENGINEERING FOUNDATION, INC



## 2015 ANNUAL REPORT

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### Founder Societies

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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 – 2015

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## ANNUAL REPORT - 2015

The United Engineering Foundation (UEF) celebrated its 111<sup>th</sup> anniversary in 2015 while successfully maintaining its robust heritage as an important leader in the engineering community. The UEF's substantial portfolio of additional grants in 2015 demonstrated the Foundation's continued commitment to its vision of advancing the engineering arts and sciences for the welfare of humanity.

During 2015, David Belden retired as the Executive Director of the UEF after many years of dedicated service to the engineering profession. Dr. Belden's career spanned more than five decades. He served as a UEF Trustee, President and as the Executive Director for 13 years. Upon his retirement, Patrick Natale, who recently retired as the Executive Director of ASCE, was selected to replace Dr. Belden.

Following the practice of the annual approval of a slate of grants, in September 2014 the UEF Board of Trustees approved 5 grants for funding in 2015. These grants collectively totaled \$749,650 and are listed below:

- a. \$95,000 to ASCE, to build an engineering outreach project at the local level for Dream Big! Engineering Wonders of the World an IMAX film.
- b. \$28,000 to ASME for a collaborative effort among a large number of engineering societies including ASCE, AIChE, AIME, ASME and IEEE-USA to host an Engineering Public Policy Symposium in 2015.

- c. \$124,000 to IEEE, in cooperation with a number of societies, for phase 2 in the development of an inter-society history web platform for The Technology and Engineering History Network.
- d. \$68,750 to DiscoverE, formerly National Engineers Week, to enhance the DiscoverE Educator Recognition Program.
- e. \$50,000 to AAES, working with the U. S. Department of Labor, to create an Engineering Competency Model.
- f. \$100,000 to ASME, IEEE and Engineering for Change (with a large group of participating societies) to support three E4C projects:
  - Webinar Series, Appropriate Solutions Evaluation Program, News Plus Program BS E4C 2.0 Website.
- g. \$74,400 to the National Building Museum for distribution of the engineering-centered Designing for Disaster Teaching Kit with on-site workshops and online training.
- h. \$147,850 to the National Academy of Engineering to inspire interest in engineering by producing “The Next MacGyver,” a potential screenplay involving engineering.
- i. \$62,000 AIChE to conduct a workshop and prepare a position paper on Engineering Strategies for a Sustainable Food Supply Chain.

In mid-2015 the Foundation’s Grant Committee reviewed 28 concept papers totaling \$2,082,639 and invited 12 of the 28 to submit full proposals for a total of \$1,243,600. The Committee recommended 5 proposals for funding in priority order for Board approval. The Board of Trustees approved the funding of the 5 proposals totaling \$774,000 in 2016 as follows:

- a. \$77,000 to DiscoverE, to strengthen and expand DiscoverE’s suite of hands-on activities, career resources, and online trainings to help volunteers and educators effectively engage K-12 students in engineering.
- b. \$28,000 to ASME for a collaborative effort among a large number of engineering societies including ASCE, AIChE, AIME, ASME and IEEE-USA to host an Engineering Public Policy Symposium in 2016.
- c. \$337,000 to ASCE, to build an engineering outreach program targeted towards informal educators at science centers and museums as a critical component of *Dream Big! Engineering Wonders of the World* an IMAX film and educational project.
- d. \$250,000 to ASME, IEEE and Engineering for Change (with a large group of participating societies) to support the next phase of development efforts for Engineering for Change Solutions Library 2.0.
- e. \$82,000 to the National Society of Black Engineers, to support The 50K Coalition in hosting a two-day convening to promote diversity in the Field of Engineering.

The United Engineering Foundation’s actions included in this annual report again demonstrate that it is firmly meeting its mission “to support engineering and education by, among other means, making grants.” The Foundation will continue its commitment to deploy its resources to minimize operating costs and maximize the funds available for its mission.

Ian Sadler  
President

David L. Belden/Patrick J. Natale\*  
Executive Director

\*Effective September 2015

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**ADVISORS**

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

\*Effective September 2015

