

Creative Young Engineers Selected to Participate in NAE's 2016 U.S. Frontiers of Engineering Symposium

 www.nae.edu/Projects/MediaRoom/20095/149240/155053.aspx

Release Date: June 27, 2016

For Immediate Release

Contacts:

Nicole Flores

Media Specialist

202.334.2226, nflores@nae.edu

Janet Hunziker

NAE Senior Program Officer, Frontiers of Engineering

202.334.1571, jhunziker@nae.edu

Washington, DC, June 27, 2016 – Eighty-three of the nation's brightest young engineers have been selected to take part in the National Academy of Engineering's (NAE) 22nd annual [U.S. Frontiers of Engineering \(USFOE\) symposium](#). Engineers ages 30 to 45 who are performing exceptional engineering research and technical work in a variety of disciplines will come together for the 2 1/2 day event. The participants -- from industry, academia, and government -- were nominated by fellow engineers or organizations.

The 2016 USFOE will be held on September 19-21 at the Arnold and Mabel Beckman Center in Irvine, Calif., and will cover cutting-edge developments in four areas: technologies for understanding and treating cancer, pixels at scale, water desalination and purification, and extreme engineering.

"The USFOE symposium gives our nation's brightest younger engineers the opportunity to engage, collaborate, and develop long-term relationships that are critical to advancing our nation's future. The USFOE is the only academy program that will never get out of date," said NAE President C. D. Mote, Jr.

The following engineers were selected as general participants:

Andrew Adamczyk	Air Products and Chemicals
Gagan Aggarwal	Google Inc.
Naoko Akiya	Dow Chemical Company
Saleema Amershi	Microsoft Research
Ines Azevedo	Carnegie Mellon University
Rajan Bhattacharyya	HRL Laboratories
Tamara Broderick	Massachusetts Institute of Technology

Heidi Buck	Space and Naval Space Warfare Systems Center
Qing Cao	IBM T.J. Watson Research Center
Rebecca Carrier	Northeastern University
Ranveer Chandra	Microsoft Corporation
Ian Clark	Jet Propulsion Laboratory
Anne Dailly	General Motors
Seth Darling	Argonne National Laboratory
Neil Dasgupta	University of Michigan
Alexander Dunn	Stanford University
Katherine Dykes	National Renewable Energy Laboratory
Hoda Eldardiry	PARC, A Xerox Company
Jeffrey Erickson	Naval Research Laboratory
Rebecca Erikson	Pacific Northwest National Laboratory
Jo Etter	3M Company
Stacey Finley	University of Southern California
Jason Furtney	Itasca Consulting Group
Kelly Gardner	Zephyrus Biosciences, Inc.
Phanindra Garimella	Cummins
Andrew Goodwin	University of Colorado, Boulder
Zhen Gu	University of North Carolina at Chapel Hill and North Carolina State University
Jin-Oh Hahn	University of Maryland
Brendan Harley	University of Illinois at Urbana-Champaign
Amy Herhold	ExxonMobil Research and Engineering Company
Mahmoud Hussein	University of Colorado, Boulder
Margot Hutchins	Sandia National Laboratories
Leah Johnson	RTI International
Joseph Kakande	Bell Labs, Nokia
Sung Kang	Johns Hopkins University
Amin Karbasi	Yale University
Laura Kennedy	MIT Lincoln Laboratory

Branko Kerkez	University of Michigan
Pankaj Kumar	Ford Motor Company
Mariel Lavieri	University of Michigan
Daeyeon Lee	University of Pennsylvania
Jennifer Leight	Ohio State University
Joe Lester	Procter & Gamble Company
Qizhen Li	Washington State University
Jingmei Liang	Applied Materials, Inc.
Shihong Lin	Vanderbilt University
Richard Lunt	Michigan State University
Olav Lyngberg	Johnson & Johnson
Nina Mahmoudian	Michigan Technological University
Elisabeth Malsch	Thornton Tomasetti
Joel McDonald	Dow Corning Corporation
Michelle O'Malley	University of California, Santa Barbara
Corinne Packard	Colorado School of Mines
Devesh Ranjan	Georgia Institute of Technology
Roderick Reber	Arkema Inc.
Julian Rimoli	Georgia Institute of Technology
Reuben Rohrschneider	Ball Aerospace and Technologies
Julio Romero Aguero	Quanta Technology
Kristin Santamont	Bechtel
Andrea Schmidt	Lawrence Livermore National Laboratory
Kelly Schultz	Lehigh University
Christine Scotti	W.L. Gore and Associates, Inc.
Meredith Sellers	Exponent
Debbie Senesky	Stanford University
Robert Shepherd	Cornell University
Alexander Simpson	GE Aviation
Thomas Simpson	DuPont

Leia Stirling	Massachusetts Institute of Technology
Amit Surana	United Technologies Research Center
Zoya Svitkina	Google Inc.
Joseph-Paul Swinski	NASA Goddard Space Flight Center
Ilias Tagkopoulos	University of California, Davis
Bao Truong	Terrapower
Vassilis Varveropoulos	Schlumberger
Jean Vettel	Army Research Laboratory
Laura Waller	University of California, Berkeley
Xuan Wei	Medtronic
Edward Whalen	Boeing Company
Gregory Whiting	Google[X]
Hans Woithe	Bell Labs, Nokia
Paul Wooster	SpaceX
Junfeng Yang	Columbia University
Michail Zavlanos	Duke University
ORGANIZING COMMITTEE	
Robert Braun (chair)	Georgia Institute of Technology
Julie Champion	Georgia Institute of Technology
Amy Childress	University of Southern California
DeShawn Jackson	Halliburton
David Luebke	NVIDIA
John Owens	University of California, Davis
Marco Pavone	Stanford University
Abhishek Roy	The Dow Chemical Company
Peter Tessier	Rensselaer Polytechnic Institute
SPEAKERS	
Kevin Alexander	Hazen and Sawyer

Lars Blackmore	Space Exploration Technologies
Jennifer Cochran	Stanford University
Kayvon Fatahalian	Carnegie Mellon University
Kristen Grauman	University of Texas at Austin
Warren Hunt	Oculus Research
Darrell Irvine	Massachusetts Institute of Technology
Sangbae Kim	Massachusetts Institute of Technology
Brian Kirby	Cornell University
Manish Kumar	Pennsylvania State University
David Lentink	Stanford University
Baoxia Mi	University of California, Berkeley
Derek Paley	University of Maryland
Cynthia Reinhart-King	Cornell University
Christopher Stafford	National Institute of Standards and Technology
Gordon Wetzstein	Stanford University
John Orcutt	University of California, San Diego

Sponsors for the 2016 U.S. Frontiers of Engineering are The Grainger Foundation, Defense Advanced Research Projects Agency, Microsoft, and Cummins Inc.

The mission of the NAE is to advance the well-being of the nation by promoting a vibrant engineering profession and by marshalling the expertise and insights of eminent engineers to provide independent advice to the federal government on matters involving engineering and technology. The NAE is part of the National Academies of Sciences, Engineering, and Medicine, an independent, nonprofit organization chartered by Congress to provide objective analysis and advice to the nation on matters of science, technology, and health.

###