



WASHINGTON, D.C. – July 13, 2020– Innovative Early-Career Engineers Selected to Participate in NAE’s 2020 US Frontiers of Engineering Symposium

- *Sudipta Dutta, Senior Engineer, [GE Energy Consulting](#), selected to participate in National Academy of Engineering’s (NAE) 26th annual US Frontiers of Engineering (USFOE) symposium.*
- *For more information on the US Frontiers of Engineering Symposium, visit [Frontiers of Engineering website](#).*

Washington, DC, July 13, 2020– 85 of the nation’s brightest early-career engineers have been selected to take part in the Engineers who are performing exceptional research and technical work in a variety of disciplines will come together for the two-and-a-half day event. The participants -- from industry, academia, and government -- were nominated by fellow engineers or organizations.

The 2020 USFOE was originally scheduled to be hosted by the National Renewable Energy Laboratory in Golden, Colorado in September; however, due to the COVID-19 pandemic, the meeting has been rescheduled for February 25-27, 2021, and will be held at the National Academies’ Beckman Center in Irvine, California. The symposium will cover cutting-edge developments in four areas: Food for Thought: The AgRevolution Shaping What We (Will) Eat; Next-generation Energy Systems Integration; Engineering Innovation in Women’s Health; Plastics: Pollutions Challenges and Innovations.

“The Frontiers of Engineering program brings together a talented group of young engineers from different technical areas to spark innovation and facilitate long-term collaborations,” said NAE President John L. Anderson. “These relationships are critical in developing creative engineering solutions to the world’s problems.”

The following engineers were selected as general participants:

Damena Agonafer	Washington University in St. Louis
Sarah Ahlberg	Medtronic
Mohamed Amer	Robust AI
Arezoo Ardekani	Purdue University
Rohini Bala Chandran	University of Michigan
Michelle Calabrese	University of Minnesota
Guadalupe Canahuate	University of Iowa
Jesse Chan	Rice University
Haoshuo Chen	Nokia Bell Labs
Elizabeth Connelly	National Renewable Energy Laboratory
Cory Cornelius	Intel
Jason Crater	Genomatica, Inc.
Rachel Cummings	Georgia Institute of Technology
Brian Cummins	Abbott
Sujit Datta	Princeton University
Timothy Davenport	United Technologies Research Center
Sean Donegan	Air Force Research Laboratory
Xinyu Du	General Motors

Jessilyn Dunn

Sudipta Dutta

Eno Ebong

Joseph Ensberg

Pete Erslev

N. Dianne Ezell

Neta Ezer

Zachlyn Farwig

Alexander Fiannaca

Greeshma Gadikota

Maria Gorlatova

Reza Haghpanah

Kerry Hamilton

Jennifer Hoffmann

Aruna

Jammalamadaka

Katherine Jungjohann

Kakani Katija

Mikhail Kats

Suman Khatiwada

Sarah Kim

Alper Kiziltas

Lyle Kocher

Cortney Kreller

Kelly Leung

Adrienne Little

Mitul Luhar

Karthish Manthiram

Christine McCool

Matthew McDowell

Alejandra Menchaca

Rebecca Mieloszyk

Michael Millhaem

Timothy Morse

Monica Moya

Venkat

Narayanaswamy

Destenie Nock

Jeffrey Nye

Ronke Olabisi

Holly OLDROYD

Emily Pentzer

Greg Rieker

Simon Rogers

Seth Rothschild

Liliana Ruiz Diaz

Duke University

General Electric_ GE Energy Consulting

Northeastern University

Collins Aerospace

Ball Aerospace

Oak Ridge National Laboratory

Northrop Grumman Corporation

Boeing

Microsoft Research

Cornell University

Duke University

Dow Inc.

Arizona State University

WL Gore & Associates

HRL Laboratories, LLC

Sandia National Laboratories

Monterey Bay Aquarium Research Institute

University of Wisconsin-Madison

Syzygy Plasmonics, Inc.

Arkema Inc.

Ford Motor Company

Cummins Inc.

Los Alamos National Laboratory

Allergan, Inc.

Google [x]

University of Southern California

Massachusetts Institute of Technology

3M Company

Georgia Institute of Technology

Thornton Tomasetti

Microsoft Healthcare

GE Aviation

Exponent, Inc.

Lawrence Livermore National Laboratory

North Carolina State University

Carnegie Mellon University

Bristol-Myers Squibb

University of California, Irvine

University of California, Davis

Texas A&M University

University of Colorado Boulder

University of Illinois at Urbana-Champaign

Dell Technologies

Facebook

Meha Rungta	ExxonMobil Chemical Technology
Chelsea Sabo	Lockheed Martin
Bodhisatwa Sadhu	IBM
Samantha Santacruz	University of Texas at Austin
Soumalya Sarkar	Raytheon Technologies Research Center
Rebecca Schulman	Johns Hopkins University
Richa Sharma	Schlumberger-Doll Research
Anita Shukla	Brown University
Melissa Smith	MIT Lincoln Laboratory
Michael Thomas	Dominion Energy
Varun Varun	Itasca International Inc.
Vikrant Vaze	Dartmouth College
Ashok Veeraraghavan	Rice University
Archana Venkataraman	Johns Hopkins University
Peter Verderame	Air Products
Naveen Vetcha	ERC/Jacobs Space Exploration Group/NASA MSFC
Vidya Vidyapati	Procter & Gamble Company
Katherine Vozar	Ford Motor Company
Dana Weinstein	Purdue University
Benjamin Westin	Boeing
Alexander Wiltschko	Google
Hao Zhu	The University of Texas at Austin
Qi Zhu	Northwestern University

Organizing Committee:

Jennifer West (Chair)	Duke University
Lily Cheung	Georgia Institute of Technology
Anela Choy	Scripps Institution of Oceanography
Andrew Coughlin	Syngenta
Jenna Jambeck	University of Georgia
Jennifer Kurtz	National Renewable Energy Lab
Javad Lavaei	University of California, Berkeley
Kristin Myers	Columbia University
Melissa Skala	Morgridge Institute for Research

Speakers:

Mercy Asiedu	Massachusetts Institute of Technology
Noel Bakhtian	Idaho National Laboratory
Svanika Balasubramian	rePurpose
Jeremy Conkle	Texas A&M University, Corpus Christi
Patrick Cournoyer	US FDA
Aaron Hummel	Pairwise Plants
Johanna Mathieu	University of Michigan

Kristin Miller	Tulane University
Desiree Plata	Massachusetts Institute of Technology
Kyle Schneider	Vestaron Corp.
Ariella Shikanov	University of Michigan
Suzanne Singer	Native Renewables
Ridhi Tariyal	NextGen Jane
Sierra Young	North Carolina State University

Sponsors for the 2020 US Frontiers of Engineering are The Grainger Foundation, National Science Foundation, Defense Advanced Research Projects Agency, Air Force Office of Scientific Research, Office of the Under Secretary of Defense for Research and Engineering, Microsoft Research, and Cummins.

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.

About GE

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About GE's Energy Consulting Group

For nearly a century, GE's Energy Consulting experts have focused on solving the electric power industry's most pressing challenges—driving the evolution of electric power systems with greater affordability, reliability, and efficiency. Today, GE's Energy Consulting team continues this tradition by providing innovative solutions across the entire spectrum of power generation, delivery and utilization. With our cross-company resources, GE's Energy Consulting business is able to serve a diverse global client base with a strong local presence.

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