



**2019 National Academy of Engineering
Grand Challenges Scholars Program Annual Meeting**

**National Academy of Sciences building
2101 Constitution Avenue, NW, Washington, DC
November 11-12, 2019**

Agenda

Monday, November 11

4:00pm **Registration Open** Great Hall

5:30-8:00pm **Welcome Reception** Great Hall
West Court

Tuesday, November 12

7:30–8:30am **Registration Open; Continental Breakfast Available** Great Hall

8:30am **Opening Remarks: Grand Challenges – Vision to Practice** Fred Kavli Auditorium

Alton D. Romig, Jr.
Executive Officer
National Academy of Engineering

9:00am **Keynote Address** Fred Kavli Auditorium

Yannis C. Yortsos
Dean of Engineering
University of Southern California



9:30am **The U.N. Sustainable Development Goals and the NAE Grand Challenges Panel Discussion** Fred Kavli Auditorium

Andrea Armani
Ray Irani Chair in Engineering and Materials Sciences
University of Southern California

Mandy Bratton
Executive Director, Global TIES
University of California, San Diego

Yvette E. Pearson
Associate Dean for Accreditation, Assessment and Strategic Initiatives
Rice University

Ishwar K. Puri
Dean of Engineering
McMaster University

10:30am **Break** Great Hall West Court

10:45am **Ethics and the Grand Challenges (Concurrent Session)** Room 125

Rosalyn Berne
Director
NAE Center for Engineering Ethics and Society

10:45am **Applying an Entrepreneurial Mindset to the Grand Challenges Scholars Program (Concurrent Session)** Lecture Room

Keith Buffinton
Professor of Mechanical Engineering
Bucknell University

Amy Trowbridge
Grand Challenges Scholars Program Director
Arizona State University



10:45am **Aligned Programs** (*Concurrent Session*) Room 120

Cathy Leslie
Executive Director
Engineers Without Borders – USA

William Oakes
Professor of Engineering Education and Director of EPICS
Purdue University

10:45am **Proposal Development** (*Concurrent Session*) Members' Room

GCSP Proposal Review Committee

12:00pm **Lunch** Great Hall
After picking up lunch in the Great Hall, you may take it Lecture Room
to any of these rooms for seating. Room 120
Room 125
Members' Room

1:10pm **Alumni and Student Voices** Fred Kavli Auditorium

Matteo Abbondanza
Social Media Manager
Technologie Solidali

Maria Foo
Vendor Manager and Project Lead
FHK Group

Jessica Noglows
Senior Venture Architect
BCG Digital Ventures

Shaun Wootten
Director of Research and Development
Aesthetics BioMedical, Inc.



2:00pm **Ethics and the Grand Challenges** (*Concurrent Session*) Members' Room

Rosalyn Berne
Director
NAE Center for Engineering Ethics and Society

2:00pm **Student and Alumni Organizing** (*Concurrent Session*) Room 120

Neel Bhoopalam
Deployment Strategist/Forward Deployed Engineer
Palantir Technologies

Maria Foo
Vendor Manager and Project Lead
FHK Group

Andrew Mang
Chairman
Aswanet, Ltd

Jessica Noglows
Senior Venture Architect
BCG Digital Ventures

Michaela Rikard
Founder, CFO, and Director of Finance
National Science Policy Network

Shaun Wootten
Director of Research and Development
Aesthetics BioMedical, Inc.

2:00pm **Applying an Entrepreneurial Mindset to the Grand Challenges Scholars Program** (*Concurrent Session*) Lecture Room

Keith Buffinton
Professor of Mechanical Engineering
Bucknell University

Amy Trowbridge
Grand Challenges Scholars Program Director
Arizona State University



2:00pm **Aligned Programs** (*Concurrent Session*) Room 125

Cathy Leslie
Executive Director
Engineers Without Borders – USA

William Oakes
Professor of Engineering Education and Director of EPICS
Purdue University

3:15pm **Wrap Up** Fred Kavli Auditorium

3:30pm **Networking Session** Great Hall

5:00pm **Adjourn**
