



**2018 National Academy of Engineering
Grand Challenges Scholars Program Annual Meeting
Washington, DC
October 29-30, 2018**

Agenda
(Subject to change.)

Monday, October 29

4:00 – 8:30pm	Registration Open	Great Hall
6:30 – 7:00pm	Welcome C. D. Mote, Jr. President, US National Academy of Engineering	Fred Kavli Auditorium
7:00 – 9:00pm	Reception	Great Hall

Tuesday, October 30

7:30 – 8:30am	Registration Open; Continental Breakfast Available	Great Hall
8:30 – 8:45am	Opening Remarks Yannis C. Yortsos NAE, Dean of Engineering, University of Southern California	Fred Kavli Auditorium
8:45 – 9:15am	Keynote Address: Students as Changemakers Kumar Garg Senior Director for Technology and Society, Schmidt Futures	

9:15 – 9:30am **The Evolution of the Grand Challenges Scholars Program**

Rama Ramakrishna
Director, NAE GCSP Network Office

9:30 – 10:15am **The Value of the Grand Challenges Scholars Program for Students**

Moderator: Tom Katsouleas, University of Virginia

Paul Barker, Colorado School of Mines
Rhea Choudhury, University of Southern California
Elaine Gossard, Miami University
Rachel Hegab, Louisiana Tech
Kenny Sheffler, University of Idaho

10:15 – 11:00am **Break**

Great Hall

10:15 – 11:00am (Optional)–
Discuss your questions with the GCSP Steering Committee
about submitting proposals to start a Grand Challenges
Scholars Program at your institution

Board Room

11:00 – 12:00pm **Cool Ideas: GCSP Best Practices and Innovations** Fred Kavli Auditorium

Moderator: Darryll Pines, University of Maryland

Short presentations on best practices and interesting concepts for GCSPs, followed by Q&A.

Moody Altamimi, Oak Ridge National Lab: Partnerships with Oak Ridge National Laboratory

Emma Derisi, University of Rochester: Writing 105 class

Muhammad Kehnemouyi, Montgomery College: community colleges

Stephen Lu, University of Southern California: iPodia

Amy Nakamoto, Discovery Education: tying K-12 to GCSP to industry

Daniel Robertson, University of Idaho: pitch event

Amy Trowbridge, Arizona State University: connection with University of New South Wales

Amanda Williams, Oklahoma State University: engaging celebrities/sponsors

Andrew Williams, University of Kansas: hackathon for hurricane victims

Alison Wood, Olin College: developing professional identities

12:00 – 1:15pm **Lunch** Great Hall,
*After picking up lunch in the Great Hall, you may take it West Court,
to any of these rooms for seating.* Lecture Room,
East Court

1:15 – 2:00pm **The Value of the Grand Challenges Scholars Program for Employers** Fred Kavli Auditorium

Moderator: Al Romig, NAE

Al Bunshaft, Dassault Systèmes

Cleopatra Cabuz, Honeywell

Michael Richey, Boeing

Mary Snitch, Lockheed Martin

2:00 – 2:45pm **The Value of the Grand Challenges Scholars Program for Graduates** Fred Kavli Auditorium

Moderator: Jenna Carpenter, Campbell University

Raquel Camarena, ASU/Raytheon Missile Systems

Mona Dai, Duke/DOE

Rachel Davis, Oklahoma State University/Medical School

Daniel Dudt, Bucknell University/Princeton University Grad Student

Kellen Haile, Bucknell University/US Navy

Michaela Rikard, NC State/UVA Grad Student/National Policy Initiative

2:45 – 3:30pm **Break** Great Hall

2:45 – 3:30pm (Optional) **Why Ethics for the Grand Challenges?** Room 125

Rosalyn Berne, NAE Director of the Center for Engineering Ethics and Society

- Infusing undergraduate coursework
- Enhancing culture of research
- Incorporating “Value Sensitive Design” into engineering practice

2:45 – 3:30pm (Optional) Board Room
Discuss your questions with the GCSP Steering Committee about submitting proposals to start a Grand Challenges Scholars Program at your institution

3:30 – 4:30pm

What Next? A Plenary Dialogue

Fred Kavli Auditorium

Moderator: Rick Miller, NAE, Olin College

Rhea Choudhury, University of Southern California

Mona Dai, Duke/DOE

Cleopatra Cabuz, Honeywell

Darryll Pines, University of Maryland

Megan Smith, CEO, shift7, and 3rd U.S. Chief Technology Officer (2014–17)

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