

Directorate for Engineering (ENG) Advisory Committee Meeting  
National Science Foundation  
April 6-7, 2022  
Virtual (times shown are Eastern Daylight)



**WEDNESDAY, APRIL 6, 2022**

- 10:15-11:00     *Registration*
- 11:00            *Meeting Begins*
- 11:00-11:15     **Welcome, Introductions, and Agenda**  
Leah Jamieson, ENG Advisory Committee Chair  
Susan Margulies, Assistant Director for Engineering  
Don Millard, Acting Deputy Assistant Director for Engineering
- 11:15-12:00     **Directorate for Engineering Report**  
Susan Margulies, Assistant Director for Engineering
- 12:00-12:15     **NSF Budget Update**  
Caitlyn Fife, Division Director, NSF Budget Division
- 12:15-12:45     **NSF's New Strategic Plan**  
Stephen Meacham, Section Head for Integrative Activities, NSF Office of Integrative Activities  
Janis Coughlin-Piester, Deputy Office Head, NSF Office of Budget, Finance and Award Management
- 12:45-1:15      *Break*
- 1:15-1:45        **ENG Strategic Planning**  
Susan Margulies, Assistant Director for Engineering
- 1:45-2:30        **Engineering Research and Education Priorities for Tackling the Climate Crisis**  
Benjamin Preston, Assistant Director for Climate Services, Adaptation, and Workforce, White House Office of Science and Technology Policy
- 2:30-3:00        *Break*
- 3:00-3:45        **Crowdsourcing to Catalyze Future Research Directions: The Engineering Research Visioning Alliance (ERVA)**  
Dorota A. Grejner-Brzezinska, ERVA Principal Investigator, Lowber B. Strange Endowed Chair in Engineering, and Vice President for Knowledge Enterprise, The Ohio State University  
Jennifer E. Carinci, ERVA Executive Director
- 3:45-4:30        **Climate and Clean Energy Opportunities for NSF ENG: Discussion**
- 4:30-5:15        **Extraordinary Engineering Impacts on Society: An update on a National Academies Study for the NSF**  
David Butler, J. Herbert Hollomon Scholar, National Academy of Engineering

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5:15-5:45 **Advisory Committee Liaison Reports**  
Tilak Agerwala, Advisory Committee on Cyberinfrastructure  
Kimberly Jones, Advisory Committee on Environmental Research and Education  
James Martin, Committee on Equal Opportunities in Science and Engineering

5:45-6:00 **Wrap-up for the Day**  
Leah Jamieson, ENG Advisory Committee Chair

6:00 *Meeting Ends for the Day*

**THURSDAY, APRIL 7, 2022**

10:30 *Meeting Begins*

10:30-10:50 **Moving the Needle on Engineering Diversity: Current Data and Trends**  
Amy Burke, Program Director, Science and Engineering Indicators Program, National Center for Science and Engineering Statistics

10:50-11:45 **Moving the Needle on Engineering Diversity and Inclusion**  
Dawn Jones, Chief Diversity and Inclusion Officer, Vice President of Social Impact, Intel  
Louis Martin-Vega, Dean, College of Engineering, North Carolina State University  
Discussion moderated by Susan Margulies, Assistant Director for Engineering

11:45-12:15 *Break*

12:15-1:00 **Moving the Needle on Engineering Diversity and Inclusion: Discussion**

1:00-1:45 **Preparation for Discussion with the Director's Office**  
Led by Leah Jamieson, ENG Advisory Committee Chair

1:45-2:00 *Break*

2:00-2:30 **Perspective from the Director's Office**  
Karen Marrongelle, NSF Chief Operating Officer

2:30-3:00 **Strategic Recommendations for ENG**  
Led by Leah Jamieson, ENG Advisory Committee Chair

3:00-3:15 **Recognition and Closing Remarks**  
Leah Jamieson, ENG Advisory Committee Chair  
Susan Margulies, Assistant Director for Engineering

3:15 *Meeting Adjourns*