



DAY 1 TUESDAY, OCTOBER 23, 2018

- 11:00-11:30 **Orientation of New Advisory Committee Members**
Linda Blevins, Deputy Assistant Director for Engineering
Karen Santoro, Office of the General Counsel
- 11:00-11:45 *Registration and Light Refreshments*
- 11:45 *Meeting Begins*
- 11:45-12:00 **Welcome, Introductions, and Agenda**
Darryll Pines, ENG Advisory Committee Chair
Dawn Tilbury, Assistant Director for Engineering
Linda Blevins, Deputy Assistant Director for Engineering
- 12:00-12:45 **Directorate for Engineering Report**
Dawn Tilbury, Assistant Director for Engineering
- 12:45-1:00 **NSF Budget Update**
Caitlyn Fife, Division Director, NSF Budget Division
- 1:00-2:00 **Perspectives from the Director's Office**
Fleming Crim, NSF Chief Operating Officer
- 2:00-2:15 *Break*
- 2:15-3:15 **Are Artificial Intelligence and Robots a Threat... or an Opportunity?**
Ken Goldberg, William S. Floyd Jr. Distinguished Chair in Engineering, University of California,
Berkeley
- 3:15-3:45 **Real-Time Learning and Decision-Making Workshop Report**
Tony Kuh, Program Director, Division of Electrical, Communications, and Cyber Systems
- 3:45-4:15 **Discussion of ENG Role in Artificial Intelligence**
Led by Darryll Pines, ENG Advisory Committee Chair
- 4:15-4:45 **NSF INCLUDES Update**
Sylvia James, Deputy Assistant Director (acting), Directorate for Education and Human Resources,
and Don Millard, Division Director, Division of Engineering Education and Centers
- 4:45-5:05 **Office of Emerging Frontiers and Multidisciplinary Activities (EFMA) Overview**
Sohi Rastegar, Head, EFMA
- 5:05-5:25 **EFMA Committee of Visitors (COV) Report and Discussion**
Leah Jamieson and Gilda Barabino, EFMA COV co-chairs
- 5:25-5:30 **Vote on Acceptance of EFMA COV Report**
- 5:30-5:35 **Recognition of Departing Advisory Committee Member**
Dawn Tilbury, Assistant Director for Engineering
- 5:35 *Meeting Adjourns for the Day*



DAY 2 WEDNESDAY, OCTOBER 24, 2018

- 8:00-8:30 *Light Refreshments*
- 8:30 *Meeting Resumes*
- 8:30-9:00 **Reports from Advisory Committee Liaisons**
Tilak Agerwala, Advisory Committee on Cyberinfrastructure
Pedro Alvarez, Advisory Committee on Environmental Research and Education
Gilda Barabino, Committee on Equal Opportunities in Science and Engineering
Mary Juhas, Subcommittee on the SBIR/STTR Program
- 9:00-9:20 **Division of Electrical, Communications, and Cyber Systems (ECCS) Overview**
Fil Bartoli, Division Director, ECCS
- 9:20-9:40 **ECCS Committee of Visitors (COV) Report**
Carmen Menoni and Rashid Bashir, ECCS COV co-chairs
- 9:40-9:45 **Vote on Acceptance of ECCS COV Report**
- 9:45-10:30 **NSF Big Idea: Quantum Leap**
Sohi Rastegar, Head, EFMA
Saúl González Martirena, Senior Advisor, Division of Physics
Irene Qualters, Senior Science Advisor, Directorate for Computer and Information Science and Engineering
- 10:30-10:45 *Break*
- 10:45-11:45 **Has the Quantum Revolution Arrived?**
Edo Waks, Professor of Electrical and Computer Engineering, University of Maryland
- 11:45-12:15 **Discussion of ENG Role in Quantum Engineering**
Led by Darryll Pines, ENG Advisory Committee Chair
- 12:15-12:45 **Roundtable on Strategic Recommendations for ENG**
Led by Darryll Pines, ENG Advisory Committee Chair
- 12:45-1:00 **Closing Remarks and Wrap Up**
Darryll Pines, ENG Advisory Committee Chair
Dawn Tilbury, Assistant Director for Engineering
- 1:00 *Meeting Adjourns*