



DAY 1 TUESDAY, APRIL 18, 2017

- 11:30-12:15 *Registration and Light Refreshments*
- 12:15-12:25 **Welcome, Introductions, and Agenda**
Louis Martin-Vega, ENG Advisory Committee Chair
Barry Johnson, Acting Assistant Director for Engineering
- 12:25-12:30 **Recognition of Departing Advisory Committee Member**
Barry Johnson, Acting Assistant Director for Engineering
- 12:30-1:00 **Directorate for Engineering Report**
Barry Johnson, Acting Assistant Director for Engineering
- 1:00-1:30 **NSF Budget Update**
Michael Sieverts, Division Director, Budget Division, Office of Budget, Finance and Award Management
- 1:30-2:00 **Reports from Advisory Committee Liaisons**
Tilak Agerwala, Advisory Committee on Cyberinfrastructure
Pedro Alvarez, Advisory Committee for Environmental Research and Education
Susan Butts, Subcommittee on the SBIR/STTR Program
Louis Martin-Vega, Committee on Equal Opportunities in Science and Engineering
- 2:00-2:15 *Break*
- 2:15-3:00 **Work at the Human–Technology Frontier: Shaping the Future**
Fay Lomax Cook, Assistant Director for Social, Behavioral and Economic Sciences (SBE)
- 3:00-3:40 **The FlexDex Story: From Fundamental Research to Technology Commercialization**
Shorya Awtar, Associate Professor, Mechanical Engineering, University of Michigan
- 3:40-3:45 *Assembly into Breakout Groups*
- 3:45-4:45 **Breakout Sessions: Innovation and Entrepreneurship in EFRI, PFI and I-Corps**
ENG Advisory Committee members, with ENG senior leadership team
- 4:45-5:15 **Breakout Sessions: Reporting and Discussion**
ENG Advisory Committee members, with ENG senior leadership team
- 5:15-6:00 **Preparation for Discussion with the Director**
Led by Louis Martin-Vega, ENG Advisory Committee Chair
- 6:00 *Adjourn for the day*
- 6:15 *Dinner*



DAY 2 WEDNESDAY, APRIL 19, 2017

8:00-8:30 *Light Refreshments*

JOINT SESSION BEGINS

8:30-8:35 **Engineering and Cyberinfrastructure Advisory Committees: Member Introductions and Welcome**

Louis Martin-Vega, Chair, ENG Advisory Committee
Thom Dunning, Co-Chair, Advisory Committee on Cyberinfrastructure (ACCI)
Gwen Jacobs, Co-Chair, Advisory Committee on Cyberinfrastructure (ACCI)

8:35-8:40 **Introduction to Joint Session**

Tilak Agerwala, Member, ENG and Cyberinfrastructure Advisory Committees

8:40-9:00 **Advanced Cyberinfrastructure to Support Research: Program Directions, Opportunities, and Challenges**

Irene Qualters, Office Head, CISE Office of Advanced Cyberinfrastructure

9:00-10:00 **Engineering Challenges and Cyberinfrastructure: Today and Tomorrow**

Alexis Lewis, Chair of ENG Data and Cyberinfrastructure Working Group, and Program Director for Materials Engineering and Processes, ENG Division of Civil, Mechanical, and Manufacturing Innovation
Jim Jones, Program Director, ENG Division of Chemical, Bioengineering, Environmental, and Transport Systems
Joy Pauschke, Program Director, ENG Division of Civil, Mechanical, and Manufacturing Innovation
Fil Bartoli, Division Director, ENG Division of Electrical, Communications, and Cyber Systems

10:00-10:15 *Break*

10:15-11:15 **Moderated Discussion on Future Cyberinfrastructure (CI) Strategy and Needs**

Led by Tilak Agerwala and ACCI co-chairs Thom Dunning and Gwen Jacobs

11:15-11:25 **Paths Forward Based on ENG-ACCI Discussion**

Barry Johnson, Acting Assistant Director for Engineering
Irene Qualters, Office Head, CISE Office of Advanced Cyberinfrastructure

11:25-11:30 *Departure of ACCI members*

JOINT SESSION ENDS

11:30-12:30 **Perspective from the Director's Office**

France Córdova, NSF Director, and Joan Ferrini-Mundy, Acting NSF Chief Operating Officer

12:30-1:00 **Roundtable on Strategic Recommendations for ENG**

Led by Louis Martin-Vega, ENG Advisory Committee Chair

1:00-1:10 **Closing Remarks and Wrap Up**

Louis Martin-Vega, ENG Advisory Committee Chair
Barry Johnson, Acting Assistant Director for Engineering

1:10 *Adjourn*