

AGENDA

The National Academies of Science, Engineering, and Medicine Committee on the Future of Center-Based Engineering Research

December 14-15, 2015

THE KECK CENTER OF THE NATIONAL ACADEMIES

ROOM 208
500 5th Street NW
Washington, DC 20002
PHONE:
FAX:

MEETING OBJECTIVES

- Introduce and orient committee members to National Research Council organization, procedures, and expectations of NRC study committees
- Obtain understanding, in consultation with the sponsor, on study scope
- Hear presentations on history, evaluations, and issues of the ERC program
- Discuss a project plan, approach, and kickoff symposium
- Reach agreement on topics to be covered, presentations/commissioned papers needed, and future meeting dates

14 December 2015—Keck Room 208

CLOSED SESSION COMMITTEE AND STAFF ONLY

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| 8:00-8:30 | Convene with Breakfast Available |
| 8:30-8:45 | Welcome, Co-Chairs' Remarks, and Review of Agenda <ul style="list-style-type: none">• <i>Maxine Savitz and David Walt, Committee Co-Chairs</i> |
| 8:45-9:15 | Self-Introductions by Committee and Staff |
| 9:15-9:45 | Review of Committee Composition and Balance |
| 9:45-10:00 | Break and Adjourn Closed Session |

OPEN SESSION

10:00-10:05 **Welcome**

- *Committee Co-Chairs*

10:05-11:00 **Introduction and Sponsor Expectations for the Study**

- *Pramod Khargonekar*, Director of Engineering, NSF*

11:00-12:00 **History and Evaluations of the ERC Program**

- *(Mario Rotea at NSF will provide name)*

12:00 **Adjourn Open Session**

CLOSED SESSION COMMITTEE AND STAFF ONLY

12:00-12:45 **Working Lunch, Schedule for Future Meetings, Administrative Issues**

12:45 **Adjourn Closed Session**

OPEN SESSION

12:45-1:30 **“Strategic Planning at Stanford School of Engineering”**

- *Persis Drell*, Dean of Engineering, Stanford (by telephone)*

1:30-2:30 **Panel of Current and Former ERC Personnel**

- *Colin Rementer*, Graduate Student, (UCLA TANMS ERC)*
- *Pedro Alvarez (Rice NEWT ERC Director, Invited)*
- *Jagannathan Sankar* (NCA&T ERC Director)*

2:30-2:45 **Break**

2:45-4:15 **Panel on Issues with the Current Center-Based Model**

- *Donna Riley* (Virginia Polytech) on Education*
- *Len Polizotto (from Carlson’s org) on Innovation*
- *Juan de Bedout (GE) on Industry Perspective?*

4:15-5:00 **Perspectives on Center-Based Engineering Research Going Forward**

- *TBD*

5:00 **Break and Adjourn Open Session**

CLOSED SESSION COMMITTEE AND STAFF ONLY

5:00-5:30 **Co-Chairs' Time**

6:00-8:00 **Committee Dinner**

8:00 **Adjourn**

15 December 2015—Keck Room 208

CLOSED SESSION COMMITTEE AND STAFF ONLY

8:00-8:30 **Convene *with Breakfast Available***

8:30-8:45 **Co-Chair's Time**

8:45-9:00 **NAE Perspectives**

- *Dr. Dan Mote, President, NAE*

9:00-9:45 **NRC Study Process and Schedule**

- Study milestones and timing
- Information gathering: kickoff symposium, commissioned papers, other?

9:45-10:30 **Discussion of Draft Report Outline**

10:30-10:45 **Break**

10:45-12:00 **Discussion of Information Gathering Strategy**

- Symposium planning: topics, format, and invitees

- Presenters to be invited to future meetings
- Literature review
- Desired topics of commissioned papers
- Other strategies: interviews with ERCs, site visits, etc.

12:00-1:00 **Lunch**

1:00 **Adjourn Meeting**