



Engineering Research Framework Visioning Summit



Summit Planning Meeting

Wednesday, April 3, 2019

National Science Foundation

Room W-2240 | 2415 Eisenhower Ave, Alexandria, VA 22314

Purpose

The purpose of this planning meeting is to gather strategic input on the proposed activities for the Engineering Research Framework Visioning Summit to be held in July 2019. The goal of the summit is to engage the engineering community in identifying mechanisms through which national research priorities for fundamental engineering research may be identified. The summit draft agenda is included as an appendix for discussion.

Meeting Agenda (April 3, 2019)

10:00 AM – 10:15 AM (15 min)

Introductions

10:15 AM – 10:30 AM (15 min)

Dawn Tilbury and Sohi Rastegar, NSF

Welcome and Goal for the Day – Planning for Sessions at the July Summit

10:30 AM – 11:00 AM (30 min)

Lance Davis, former VP for R&D, Allied Signal, Co-Chair, Summit Steering Committee

Deb Crawford, VP for Research, GMU, Co-Chair, Summit Steering Committee

- Background on Engineering Research Visioning Collaboratory Concept and Review of Draft Summit Agenda
- Discussion: Will the current draft agenda shown for the July Summit meeting help us to achieve the goal of an Engineering Research Visioning Collaboratory?

The rest of the agenda (a detailed discussion of the July 2019 Summit Agenda) assumes the answer to the discussion question is “yes”, if the answer is “no”, then the time remaining in the meeting will be devoted to restructuring.

11:00 AM – 11:25 AM (25 min)

Process for Gathering Case Studies for Lightning Rounds #1



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“Our ideal process for identifying our research priorities”

- Should we have a website so that those unable to attend the July meeting can contribute ideas?
- Should we have a defined format (e.g., structured abstract) for submissions?
- Should all attendees be expected to present, or should a subset be pre-selected?

11:25am – 11:35am (10 min)

Break

11:35 AM – Noon (25 min)

Structure of Facilitated Breakout #1

“Common themes in current research priority identification practices”

- How do we help attendees quickly sort through lightening round submissions (e.g., should the lightning round submissions be pre-submitted in writing and distributed)?
- Do we need Post-It notes or similar to aid in the sorting process?

Noon – 12:30 pm (30 min)

Working Lunch – Structuring Lightening Round #2

“How might the community better collaborate on identifying research challenges and opportunities?”

- This session would naturally build on collaborative activities that already occur among some attendees; how do we identify and select those attendees to present?

12:30 pm – 12:50 pm (20 min)

Structure of Facilitated Breakout #2

“How might the community better collaborate to identify research challenges and opportunities?”

- How do we help attendees quickly sort through lightening round submissions (e.g., should the lightning round submissions be pre-submitted in writing and distributed)?
- Do we need Post-It notes or similar to aid in the sorting process?

12:50 pm – 1:10 pm (20 min)

Structure of Facilitated Breakout #3

“What are possible operating schemes for the new activity (e.g., structure, organization, convenings, other)?”

- Do we offer strawperson models to stimulate attendees’ thinking, or would that overly influence the outcomes?

1:10 pm – 1:30 pm (20 min)

Structure of Facilitated Breakout #4

“How do we ensure adequate technical breadth has been covered by the activity?”

- What are possible representation or environmental scanning options?

1:30 – 1:50 pm (20 min)

Structure of Facilitated Breakout #5

“How do we govern/manage/oversee the research directions identification process?”

- What are credible oversight/governance models?

1:50 pm – 2:00 pm (10 min)

Sohi Rastegar, NSF

Wrap Up and Next Steps

