Recommendations of Recent Advisory Committee Meetings: Review and Responses

Spring 2014
ENG Advisory Committee Meeting

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Overview of ENG AdCom Advice
FY 2012- FY2013

• Engineering Education
• CAREER program
• International Collaboration
• Public Access to Research
Engineering Education

- **AdCom**: Strategically focus as a change agent. AdCom would like to revisit MOOCs topic at a later meeting.

**Actions Update:**
- NSF is working under a new framework for UG education: **Improving Undergraduate STEM Education (IUSE)**
  - ENG is thinking strategically about the Professional Formation of Engineering (PFE) framework.
  - More details on IUSE and ENG thinking will be presented during this meeting.
  - MOOCs - Series of workshops led by EHR and ENG. ENG examining possibilities and limitations for underrepresented groups and veterans.
CAREER Program

• **AdCom**: very interested in future directions for CAREER and support for junior faculty.

**Action Update:**

• CAREER Coordinating Committee is in discussions with the NSF Assistant Directors.
• Challenge to achieve consensus across NSF.
• ENG has increased the minimum award size of CAREER.
International Collaboration

- **AdCom**: Consider cutting back on the importance placed on international activities.

**Action Update**: NSF is actively working on a Foundation level unified Strategic Framework for International activities with three main drivers:
1. Cultivating a globally engaged science and engineering workforce;
2. Leveraging NSF investments through world class partnerships;
3. Building innovation capacity through global leadership.

**ENG AD** is co-lead with **BIO AD** for the International Strategic Framework.
PUBLIC ACCESS TO RESEARCH

- **AdCom**: seek a simple solution for sharing (explore Google Scholar); NSF should define useful and non-useful data.

**Action Update:**
- A plan for public access has been submitted by NSF to OSTP and is awaiting a response.
Summary

• We plan to provide regular explicit update on any consensus recommendation from the Advisory Committee.
• We welcome your suggestions for maximizing the effectiveness of your engagement.

We sincerely appreciate your advice and thank you for your service on the ENG Advisory Committee!