

ASCAC Charge:
Evaluate The Computational Science Graduate
Fellowship

Committee Members

- Tom Manteuffel – Chair University of Colorado
- Marsha Berger (ASCAC) Courant Institute, NYU
- Dona Crawford Lawrence Livermore Lab
- Bruce Hendrickson Sandia Lab
- Jeff Hittinger (FF) Lawrence Livermore Lab
- Steven Parker (FF) NVIDIA
- Vivek Sarkar (ASCAC) Rice University
- Bill Tang (ASCAC) PPPL, Princeton University

The Charge:

“By this letter, I am charging the ASCAC to assemble a sub-committee to examine the effectiveness and impact of the CSGF, as compared to other educational activities, and the quality and breadth of the program over the past decade. The sub-committee should take into account the unique qualifications and skills of computational scientists and their role in the public and private sectors. It should also address the participation of women and under-represented minorities, the projected need for trained computational scientists in the DOE laboratories and to continued U.S. leadership in computational science.”

Gathered Information

- List of winners and their outcomes.
 - What department did they receive their degree
 - Thesis title
 - What jobs have they held since graduation
 - Where are they now?
 - What field were they working in now?
 - Career Lab employment
- Applicants and Awards:
 - Number of applicants each year (10 years),
 - Number of awards each year.
 - Demographics on:
 - Women and minorities
 - Field of study of applicants
 - Field of study of awardees
- Process of selection:
 - Description of Application review Process
 - Summary of advertising and outreach
 - Quantitative data on applicants
 - Names and bios of Screening Committee
 - Names and bios of Selection Committee.
- Budgets

Looking at Reports

- Applied Mathematics at the DOE (Brown)
- IDC Special Study For DOE:HPC Talent and Skill Set Issues Impacting HPC Data Centers (Joseph, Conway, Wu)
- A Study Of The Talent And Skill Set Issues Impacting HPC Data Centers Conducted On Behalf On The US Department Of Energy (Joseph, Conway, Wu)
- A Report of the National Science Foundation Blue Ribbon Panel on Simulation-Based Engineering Science (Oden et. Al.)
- Council on Competitiveness Case Studies on HPC
- 2010 Nuclear Posture Review Report

Committee Has ...

- Held a Teleconference,
Tuesday, July 5
- Lots of Email Discussions

Interviewed DOE Program Managers, Krell Management and Alumnae

- CSGF Summer Meeting, July 21-23
- Sub-subcommittee:
 - Dona Crawford, Jeff Hittinger, Bill Tang
- Interviewed DOE Program Managers
 - Barb Helland (SC) and Thuc Hoang (NNSA)
- Interviewed Krell Management:
 - Jim Corones, Jeana Gingery, Mary Ann Leung

Future Plans

- Teleconferences
- More Email Discussions
- Report for November ASCAC Meeting