



NSF Ceramic Materials PI Workshop 2011

The ACerS-NSF Ceramic Materials PI Workshop will be held in the multi-purpose room on the second floor of the Virginia Tech Research Center-Arlington, 900 N. Glebe Road, Arlington, Va., 22203.

Pre-Workshop Tutorial – July 28, 2011

Schedule:

- 9:00 - 9:05 ***Welcome from The American Ceramic Society (ACerS)*** – Mark Mecklenborg
- Practical matters, logistics, etc.
 - Introduction of ACerS staff
- 9:05 - 9:30 ***NSF Reporting Requirements*** – Lynnette Madsen, Division of Materials Research (DMR) in the Mathematical and Physical Sciences (MPS) Directorate, NSF
- 9:30 - 9:45 ***Writing Effective Highlights*** – Amber Jones, Office of Legislative and Public Affairs (OLPA), NSF
- 9:45 - 10:00 **Break: Make refinements to your highlights & load on laptop**
- 10:00 - 10:45 ***Interactive Session on Highlights***
- Participants to present their refined highlight to the group for feedback
 - Best 3 highlights selected by audience (will be presented later in workshop)

Main Workshop – Day 1 (July 28, 2011)

Schedule:

- 10:45 - 11:00 **Registration and Refreshments. Poster Session A Set Up.**
- 11:00 - 11:10 **Welcome from ACerS** – Mark Mecklenborg
- Practical matters, logistics, etc.
- Introduction of ACerS staff
- 11:10 - 11:30 **Welcome from NSF** – Lynnette Madsen
- Ian Robertson, DMR’s Division Director
- 11:30 - 12:00 **Group A Participant Introductions** – Present one slide each.
- 12:00 - 1:00 **Lunch & Poster Session A.**
- 1:00 - 1:10 **Data Management Plans at NSF** – Lynnette Madsen, NSF
- 1:10 – 1:45 **Data Management Presentation and Discussion** –Terrell Vanderah, National Institute of Science and Technology (NIST), and Steve Freiman, Freiman Consulting
- 1:50 - 2:30 **Working Session:** Draft a Data Management Plan
- 2:30 - 2:45 **Break. Poster Session B Set Up. Pass-the-Hats 2011:** Drop written questions and suggestions for ACerS in ACerS hat and put questions, comments and suggestions for NSF in DC-area hat.
- 2:45 -3:15 **Reports from Tables:** Thoughts and Ideas about Data Management
- 3:15 - 4:30 **Group B Participant Introductions** – Present one slide each.
- 4:30 - 5:15 **Break and Poster Session B**
- 5:15 - 6:00 **Group C Participant Presentations** – Present one slide each.
- 6:30 - 8:30 **Dinner at a local restaurants.**

Main Workshop – Day 2 (July 29, 2011)

8:30 – 9:00 Morning Refreshments and Poster Session C Set Up.

9:00 – 9:45 **What is New at NSF** – Lynnette Madsen

- Changes at NSF
- New Opportunities for Funding
- Trends in Ceramics Research
- Q&A and Suggestions for NSF

9:45 – 10:00 **Highlights: Gold, Silver and Bronze Winners** from Pre-Tutorial Workshop

10:00 - 10:45 Break and Poster Session C.

10:45 – 11:15 **Scientific Publishing and Science** – Brooks Hanson, Deputy Editor, Physical Sciences, *Science*

11:15 – 12:00 **Insight into the Operations of the National Academies** – Erik Svedberg, NAS

- Membership & Election Process
- Role of the Board: How members are selected
- Overview of Studies: Types, Commission, Statement of Task, Committee Members, Reports from Experts, and Reviewers
- Examples of Recent Studies; Précis of Studies underway

12:00 – 1:00 Lunch & Discussion: *Science* Magazine and the National Academies

1:00 – 1:45 **Why So Few? Women in Science, Technology, Engineering, and Mathematics** – Christianne Corbett, AAUW (American Association of University Women)

1:45 – 2:45 **Table Discussion followed by Reports from Tables:** each table pinpoints the best way to broaden participation and how these activities will be carried out.

2:45 – 3:15 **Open discussion: Improving NSF, Professional Societies & Universities** – Lynnette Madsen, NSF and Mark Mecklenborg, ACerS

- Summary of the best ideas from the 2010 Workshop will be presented
- Responses will be provided to a few of the earlier 2011 Pass-the-Hat suggestions
- New suggestions for NSF, ACerS and universities welcome
- Ideas for Focus areas for 2012 Ceramics PI Workshop

3:15 Break: Main Workshop ends & Post-Workshop Tutorial begins in 15 minutes.

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Post-Workshop Tutorial (Proposals & Reviews) – July 29, 2011

Schedule:

- 3:30 – 4:15 **Reviews that Count** – Lynnette Madsen, NSF
- Repeat of 2010 Workshop Presentation
 - Q&A, Discussion
- 4:15 – 4:30 **NSF Proposal Submissions** – Lynnette Madsen, NSF
- Repeat of 2010 Workshop Presentation
 - Q&A, Discussion
- 4:30 – 5:00 **Table Discussions:** Discuss your summary with a colleague and examine ways to improve it.
- 5:00 – 5:30 Round-the-room: **Lessons Learned**
- Each person will mention one thing they recently learned. Feedback on the workshops also welcome.
 - Please complete survey (hardcopies available or submit on-line)
- 5:30 **Adjourn**