



AGENDA
Directorate for Mathematical and Physical Sciences (MPS) Advisory Committee Meeting
National Science Foundation
November 3 – 4, 2014 (all times EST)
Stafford I, Room 1235

Monday, November 3, 2014

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|---------------|---|
| 11:30 – 12:30 | Lunch and networking |
| 12:30 – 12:45 | Welcome, introductions, review of agenda and approval of minutes
<i>Juan de Pablo, MPS Advisory Committee Chair</i> |
| 12:45 – 1:45 | State of the Directorate for Mathematical and Physical Sciences (MPS): challenges and opportunities
<i>Fleming Crim, Assistant Director, Directorate for Mathematical and Physical Sciences</i> |
| 1:45 – 2:30 | Interim report from the Subcommittee on the NSF Response to the P5 Report on Particle Physics
<i>Young-Kee Kim, Chair of the Subcommittee on the NSF Response to the P5 Report on Particle Physics</i> |
| 2:30 – 3:00 | <i>Break</i> |
| 3:00 – 3:30 | Data reproducibility, reliability and robustness
<i>Fleming Crim, Assistant Director, Directorate for Mathematical and Physical Sciences</i> |
| 3:30 – 3:50 | Response and discussion on Optics and Photonics report
<i>Clark Cooper, Head of Office of Multidisciplinary Activities</i> |
| 3:50 – 4:10 | Response and discussion on Food Systems report
<i>Steven Bernasek, Division Director, Division of Chemistry</i> |
| 4:10 – 4:30 | Public/Private Partnerships
<i>Jennifer Pearl, MPS Office of Assistant Director</i> |
| 4:30 – 4:50 | Astronomical Sciences Division (AST) divestment and new partnerships
<i>Patricia Knezek, Deputy Division Director, Division of Astronomical Sciences</i> |
| 4:50 – 5:10 | Mathematical Sciences Innovation Incubator
<i>Michael Vogelius, Division Director, Division of Mathematical Sciences</i> |
| 5:10 – 5:45 | Preparation for meeting with NSF Director
<i>Juan de Pablo, MPS Advisory Committee Chair</i> |
| 5:45 pm | <i>Adjourn</i> |
| 6:30 pm | Dinner for MPSAC members, invited staff and guests |



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Tuesday, November 4, 2014

- 8:30 – 8:45 Opening for the second day and recap from the first day
Juan de Pablo, MPS Advisory Committee Chair
- 8:45 – 9:05 Response and discussion on Materials Instrumentation report
Mary E. Galvin, Division Director, Division of Materials Research
- 9:05 – 9:45 MPS Midscale programs
Patricia Knezek, Deputy Division Director, Division of Astronomical Sciences
Denise Caldwell, Division Director, Division of Physics
- 9:45 – 10:00 *Break*
- 10:00 – 11:00 Report on future directions in Advanced Computing Infrastructure to Support U.S.
Science and Engineering
Emily Carter and Juan Meza, Members of MPS Advisory Committee
- 11:00 – 12:00 Perspective from the NSF Director
France Córdoba, NSF Director
- 12:00 – 12:30 Closing remarks
Juan de Pablo, MPS Advisory Committee Chair
Fleming Crim, Assistant Director, Directorate for Mathematical and Physical Sciences
- 12:30 *Adjourn*