Dear CPS PI,

Attached is the agenda for the CPS PI meeting, August 10-12. A few minor details remain to be settled, but you can see the overall structure of the meeting.   It is intended to be a research community forum that will raise awareness of the research that has begun and that will contribute to collective progress.

Due to the limited time available for talks in the agenda and the large number of important projects, we are asking most PIs to present their work through posters. To fulfill the role of research community forum, we included in the program a variety of activities listed below:

- *General information* about the CPS program and the CPS Virtual Organization.
- *Invited Keynotes*
- *Project talks.* The talks from selected projects will serve to illustrate their CPS challenges and strategies and to focus discussion, rather than being traditional conference talks. The talks are invited into four sessions: Foundations, Health and Medicine, Transportation, and Energy. Each session will conclude with a panel discussion. Panelists are invitees and speakers of the previous session. <u>All PI-s who make presentations are requested to upload their presentation slides not later than August 5, 2010 on the PI meeting web site.</u>
- *Poster sessions.* Any projects for which a PI is not listed as speaker on the agenda will provide a poster and very short introduction. Collaborative projects will have a single poster slot. There will be a "2-minute madness" session before each poster session, in which a PI or co-PI representing the project team will present 1 slide to spur interest in the work for conversations during the poster session. (Speakers listed on the agenda also may bring a poster to represent the project for discussion during the poster session, but these projects will not have a 2-minute madness slot.) <u>Each PI assigned to one of the two poster sessions is requested to upload a one-slide project introduction not later than August 5, 2010 on the PI meeting web site.</u>
- *Industry-government panel.* The industry-government panel each day during lunch time also will reflect the topical foci for that day's agenda.   On Tuesday, August 10, the topics to be discussed are "CPS Foundations" and "Transportation Systems." On Wednesday, August 11, the topics are "Medical Devices and Systems" and "Energy Systems."
- *Birds-of-a-Feather sessions.* On Tuesday, August 10, and on Wednesday, August 11, we have BoF sessions on the primary topics of the day and on other issues as initiated by the PI community.
- The 12th is a final discussion and planning session, which will be in partial overlap with a workshop on CPS education.   Logistical details for poster setup at the Westin will be provided shortly by the CPS Virtual Organization support team at Vanderbilt University.

We ask that you make sure in both talks and posters, to emphasize the scientific contribution that is made with respect to cyber-physical systems in general, as well as impact in specific domains.   We also hope that you will explain the project as a whole, rather than only a narrow subtopic. It would be particularly helpful if you can include the scientific challenge questions being addressed in the project context that will contribute new approaches for CPS systems science and engineering.

Finally, if you are working with other agencies and your program contacts there should be invited, please let us know. We have made the meeting open to participation by other agencies and industry in order to expand the base of support for this area (corresponding to the level of interest and capacity the research community has shown).

We are very excited about this first annual CPS workshop and thank you for your enthusiasm and cooperation in making it a valuable event for the community!

Best wishes,
The NSF CPS team