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# PD Agenda

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Agenda as of January 27th, 2012

CAISE and the National Science Foundation ISE Program  
ISE Professional Development Convening  
February 2nd and 3rd  
Melrose Hotel Potomac III  
Washington, DC

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## February 2

**8:00 am:** Breakfast and Informal Introductions

**8:30 am:** Welcome and Convening Overview

Jamie Bell, principal investigator and director, CAISE

Al DeSena, program director, NSF

Julie Johnson, Distinguished Chair of Museum Leadership, Science Museum of Minnesota

**9:15 am** Project Introductions

a. What do you feel are critical issues with respect to PD in the ISE field as a whole?

1. What are important issues/challenges with respect to the particular kind of professional that your project is serving, and in particular, with respect to equity and diversity?
2. How can educational research and evaluation continue to be improved in the PD realm?

- Holly Kerby/Joann Cantor, Fusion Science Theater
- April Luehmann, Science STARS
- Nancy Maryboy/Jill Stein/Shelly Valdez, Native Universe
- Marcelo Caplan/Virginia Lehmkuhl-Dakhwe, Scientists for Tomorrow
- Daniel Rockmore/Karen Gareis, Pushing the Limits
- Meena Selvakumar/Angie Ong, Portal to the Public
- Ari Epstein/BevMire, Terrascope Youth Radio
- Charlie Hutchison/Pamela Stazesky, Taking NPASS to Scale
- Stephanie Lingwood/Ginger Fitzhugh, Inquiry in the Community
- Brad McClain/Jes Koepler, ScienceTheatre
- Mike Petrich/Karen Wilkinson, PIE Institute
- James Manning/Kate Haley Goldman, Astronomy from the Ground Up

**11:20 am:** Break

**11:30 am:** Presentation and Whole Group Discussion - NSF ISE Online Project Monitoring System Analysis of projects with Professional Development deliverables

Gary Silverstein, senior study director at Westat

**12:30 pm:** Lunch in Melrose Restaurant

**1:30 pm:** Reflections from NSF Program Officers

**2:00 pm:** Reflector synthesis

Karen Watkins, professor of lifelong education, administration, and policy, University of Georgia

Joy Frechtling, Westat

**2:30 pm:** Developing Human Capital

Vera Michalchik, director of research on informal learning environments, SRI Center for Technology and Learning

**3:00 pm:** Break

**3:10 pm:** Whole Group Discussion - Developing Human Capital and Professionalization of the Informal Science Education Field

Is the ISE world at a transition point for how we think about human capital? How does professional development and human capital development relate to the evaluation of the NSF ISE portfolio?

**4:00 pm** Whole Group Discussion - Characterizing the State-of-the-Field

Some questions to consider:

- How would we characterize important aspects of the “state-of-the-field” when it comes to professional development in informal learning environments?
- What characteristics cut across all areas? Are there distinct / different characteristics?
- What might NSF and CAISE do to address the different perspectives and needs?
- What pressures are on the ISE field for professionalization and credentialing?
- What networks, resources, and professional groups are involved with training, credentialing, generating evidence, and knowledge building?

**5:00 pm:** Break for the day

**6:00 pm:** Meet in lobby to walk to Clyde's

**Day 2: February 3**

**8:15 am:** Breakfast

**9:00 am:** Opening Discussion Reflections on Day 1

Initiated by Jamie Bell, Facilitated by Julie Johnson

Making the case for PD in ISE: a review and reflection of first day.

In table groups, generate visuals about your conceptualizations of professional development in ISE—including maps, charts, and other notes. Photos of these can be uploaded to the Professional Development Visuals section of the ISE PD Convening wiki at [www.caiseconveningwiki.org](http://www.caiseconveningwiki.org), and we will post the visuals on easels around the room to identify common elements.

**10:00 am:** Presentation - Learning in the Workplace

Initiated by Karen Watkins, facilitated by Julie Johnson

**10:20 am:** Dyad Activity - Learning in the Workplace

Interview each other in pairs and see the model in action

**10:50 am:** Reflection

Some questions to consider:

- What questions do participants still have?
- What are the roadblocks to applying these models in your settings/projects?
- What resources/ social support do you need to take this work forward and apply it?

**11:00 am:** Whole Group Discussion - Future of Professional Development in the ISE Field

Initiated by Jamie Bell, Facilitated by Julie Johnson

What problems are we solving? For whom? What would the solutions look like? What impact would they have? How would we measure this?

**11:45 am:** Reflections from Program Officers

**12:00 pm:** Lunch

**1:00 pm:** Whole Group Discussion - Visioning Plans of Action at the 2012 PI Meeting and Beyond

Initiated by Jamie Bell, Facilitated by Julie Johnson

We will contextualize the 2012 PI Meeting, including giving a summary of the agenda.

**1:05-1:45 pm:** Small Group Workshops—Proposing the 2012 PI Meeting PD Convening Session

Questions to consider: What might CAISE and NSF consider doing next with respect to moving this conversation forward?


**1:45-2:30 pm:** Whole Group Discussion—Sharing Proposals

**2:30 pm:** Closing and Thanks

Brief closing comments by Al DeSena, Julie Johnson, Jamie Bell, Karen Watkins, and Jov Frechtling.

3:00 pm: Wrap

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