WORKSHOP AGENDA

DAY ONE

8:00 a.m. Continental Breakfast

8:30 a.m. Welcome

Dr. John Ahearne, Chair, NAE CEES Advisory Group
Dr. Francisco Ayala, Member, OBAS Committee, COSEPUP

8:45 a.m. Statement of Meeting Goals

Dr. Richard Bissell, Executive Director, Division of Policy and Global Affairs, National Research Council (NRC)
Dr. Rachelle Hollander, Director, CEES, NAE

9:00 a.m. Meeting Logistics

9:10 a.m. Introductions of Meeting Attendees

10:00 a.m. Session I: Needs and Issues for Ethics Education in Scientific & Engineering Research

Investigators and students exist in complex research and learning environments that include academic and other organizations such as professional societies, commercial research laboratories, government funding agencies, and peer-reviewed journals. What do these individuals and groups identify as the main impediments to developing effective responsible research programs? Are there conflicting ideas about what these impediments are and what to do about them?

Moderator: Francisco Ayala
Speakers: Joseph Hellble, Deborah Johnson, Michael Mumford, Wendy Williams
Respondents: Paul Citron, Hugh Gusterson, Susan Silbey

Short Break
General Discussion

Noon Lunch and Role-Play Exercise “Getting Results”

Facilitator: Stephanie Bird
1:30 p.m.  **Session II: Pedagogical Methods and Materials**

There is quite a variety of both methods and materials in effect. More than a few consortia provide on-line tutorials; conferences are common. What kinds of contents and range of techniques are in use? What are their strengths and their limitations? Whom do they reach, and with what results? What information do we have that enables us to judge their merits? What’s missing?

Moderator: John Ahearne  
Speakers: Julia Frugoli, Kelly Laas, Caroline Whitbeck, Sara Wilson  
Respondents: Jason Borenstein, J. Britt Holbrook, Simil Raghavan  
General Discussion

3:30 p.m.  **Break**

3:45 p.m.  **Session III: Outreach and Assessment**

Are relevant and important materials and techniques reaching the appropriate audiences? Who are the appropriate audiences, and are there useful feedback loops from them to the developers of materials, techniques, and guidance? Are the audiences able to adapt or adopt these resources? What efforts might improve access, use, and feedback and improvement? What kinds of assessment have been developed, make sense, or should be encouraged for the future? What have we learned and what do we need to learn?

Moderator: Felice Levine  
Speakers: Melissa Anderson, Daniel Denecke, Brian Schrag, Joseph Whittaker  
Respondents: Carl Lineberger, Charles Huff  
Short Break  
General Discussion

5:15 p.m.  **Review of Sessions I, II and III**

What can we conclude about how to develop and implement programs, how to export them, and how to assess their effectiveness? What can we conclude about development and use of effective methods and materials? What kinds of research, resource development and dissemination and assessment activities do we need in order to respond more effectively in the future?

Moderator: Mark Frankel

7:00 p.m.  **Working Dinner at the Marian Koshland Science Museum**

Speaker: Richard Bissell, On Being a Scientist  
Informal conversation and continuation of discussion as needed or desired. The workshop planning group will meet at dinner to discuss meeting’s progress and assign follow-up duties.
DAY TWO

8:00 a.m.  Continental Breakfast

8:30 a.m.  Next Steps

This session will draft an initial version of the meeting summary, based on the previous day’s discussion and attendees’ reflections about it. The workshop summary will identify currently promising materials and practices and provide examples of successful approaches and outcomes, including those that have created bridges between research investigators and scholars and researchers with expertise in relevant domains of science and engineering ethics. It will identify gaps in accessible and useful resources and in the knowledge base, and suggest future research, educational innovations, and outreach and dissemination activities.

Moderator: Rachelle Hollander

Noon  Lunch and Follow-On Assignments

2:00 p.m.  Adjourn
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