



Master's Education in the Sciences and Mathematics: Its Value, Importance and Growth

The Third Biennial Meeting of Professional Science Master's Program Leaders
Hosted by the Commission on Professionals in Science and Technology
October 2-3, 2003

Thursday, October 2, 2003

9:00 a.m. **Welcome** - Eleanor Babco, Executive Director, Commission on Professionals in Science and Technology

9:10 a.m. **Framing the Day** - Daryl Chubin, co-author of *Rethinking Science as a Career*, and Vice President, NACME, Inc.

9:30 a.m. **Keynote Addresses**

- **View from Academe:** Wayne Clough, President, Georgia Institute of Technology
- **View from Industry:** Tom Vines, Director of Talent, IBM Global Services Division

11:15 a.m. **Introduction to the Professional Science Master's Programs**

Session Chair: **Les Sims**, Council of Graduate Schools

Panel Members:

- The proMSclM program at Michigan State: Charles MacCluer, Michigan State University
- The Professional MS Bioinformatics Program at Georgia Tech: Jung Choi, Georgia Institute of Technology
- PSM programs at Penn State: Biotech, Applied Statistics, and Bioanalytical Chemistry, Don Genson, Pennsylvania State University

1:30 p.m. **Current Master's Initiatives**

- Current Trends in Master's Education: Innovation, Diversity and Change: Judith Glazer Raymo, Long Island University
- The New Graduate Student, including the PSM in Master's Institutions: Peter Syverson, Council of Graduate Schools

2:45 p.m. **Challenges Facing the PSM Programs**

Session Chair: Gerard M. Crawley, Dean, College of Science and Mathematics, University of South Carolina

Panel Members:

- Attracting Minority Students and Minority-Serving Institutions: Chuck Ambler, University of Texas, El Paso
- Linking to the Business Community: Chad Evans, Council on Competitiveness
- Problems/Opportunities for PSM Grads to Find Employment in Industry: Phillip Tuchinsky, Ford Motor Company

- Contrasting the Job Market Prospects of Masters and Doctorate Bioscience Graduates: Grant Black, Georgia State University

Friday, October 3, 2003

8:45 a.m. **Discussion of the "Professional Aspects" of the PSM**

Session Chair: Sheila Tobias, co-author of *Rethinking Science as a Career* and PSM Outreach Coordinator, University of Arizona

Panel Members:

- Michigan State University's Certificate Program: Ralph Svetic, Michigan State University
- University of Arizona's Business Basics and Project Management: Ken Smith, University of Arizona
- Integrating Science, Business and Ethics in a Professional Masters Program: David Finegold, Keck Graduate Institute
- The Role of Corporate Partners in the Design and Instruction of an Industrial Case-Studies Course: Lis Hamer, North Carolina State University

10:00 &
1:00

Break-Out Discussions

A. Launching a New Program: Session Facilitator, Terry Pack, Rice University

B. Recruitment Challenges: Session Facilitator, Joseph Gardella, SUNY Buffalo

C. Sustainability Issues, Personnel & Financing: Session Facilitator, Gerard M. Crawley, University of South Carolina

D. Growing the PSM Program: Session Facilitator, Jung Choi, Georgia Institute of Technology