



8:00 a.m.      **Registration**      Dewey Foyer  
**Continental Breakfast**      Chesapeake Hall

8:30 a.m.      **Welcome**      Dewey  
*Debra W. Stewart*, President, Council of Graduate Schools

8:45 a.m.      **Introduction**      Dewey  
*Don Langenberg*, Chair, CGS PSM Advisory Board, Professor of Physics, and Chancellor Emeritus, University of Maryland

9:00 a.m.      **Plenary I: Adopting the PSM Degree System-wide: The California State University (CSU) System Example**      Dewey

The PSM is envisioned as becoming a distinguishing feature offered on most CSU campuses by the end of the decade. As the largest public university in the country specializing in master's level education, located within the world's fifth largest economy, CSU is an ideal statewide system to host the PSM. CSU's scale-up is aimed at establishing a range of programs in high-demand fields, in collaboration of industry, government, undertaking flexible strategies that are as innovative and responsive as the PSM itself.

**Moderator:**      *Don Langenberg*, Chair, CGS PSM Advisory Board, Professor of Physics, and Chancellor Emeritus, University of Maryland

**Speaker:**      *Don W. Kassing*, President, San Jose State University

**Respondents:**      *Gregory Scott Jenkins*, Associate Vice President, The University of North Carolina System  
*Kavita Pandit*, Senior Vice Provost, State University of New York System  
*Anne Huot*, Provost and Vice President for Academic Affairs, State University of New York, College at Brockport

10:30 a.m.      **Morning Break**      Dewey Foyer

11:00 a.m.      **Plenary II: Introduction to the National Professional Science Master's Association and the PSM Alumni Network**      Dewey

At the 2005 PSM Biennial Meeting, the program directors voted to form a national organization to provide a collective voice for the PSM programs nationwide and to promote the PSM as a standard feature of graduate program offerings in the sciences and mathematics. Starting in July 2006, a steering committee of 10 program directors and coordinators, developed plans and a structure for the new organization, and incorporated the National Professional Science Master's Association (NPSMA) in May 2007. This session will introduce the strategic goals and objectives for the NPSMA, the plans for an Alumni Network and engage the audience in a discussion on the best ways to support and expand the PSM programs. These efforts aim to engage business, industry, non-profit organizations and government agencies to help continually improve the workforce preparation of and employment opportunities for PSM graduates, and to continue to build the value and recognition of these new degrees.

**Moderator:**      *Sheila Tobias*, Consultant

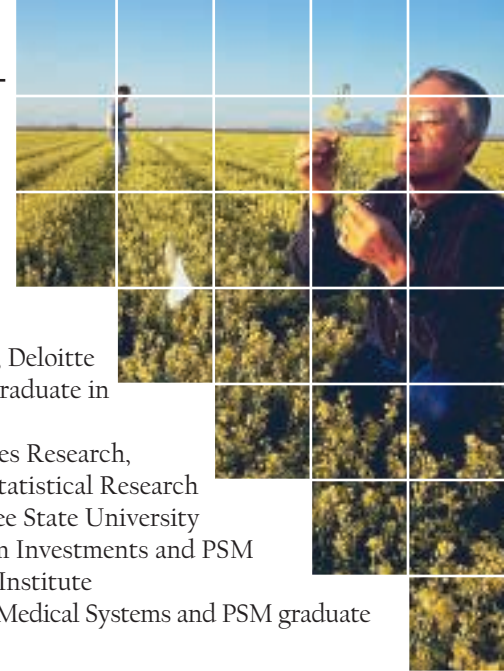
**Speakers:**      *Bogdan Vernescu*, President, National Professional Science Master's Association  
*Alaina Levine*, Director of Special Projects, College of Science, The University of Arizona

12:00 p.m.      **Lunch (seated at tables by disciplinary group)**      Chesapeake Hall

1:00 p.m.      **Plenary III: PSM Graduates and Employers**      Dewey

One of the highlights of the 2005 PSM Biennial Meeting featured graduates of PSM programs and their respective employers giving testimony to the relevance and merits in the workplace of PSM training and education. This year, the Biennial Meeting will bring new graduate-employer pairs representing programs and institutions different from those of the last meeting, as well as two graduates from the 2005 panel to further showcase PSM graduates in the workplace.





**Moderator:** *Loida Escote-Carlson*, Program Director, Master of Biotechnology, Pennsylvania State University

**Speakers:**

- o *Mukesh Kumar*, Senior Director, Regulatory Affairs and Quality Assurance, Amarex Clinical Research and *Kevin Bugin*, Regulatory Associate and PSM graduate in Biotechnology, American University
- o *Rebecca Snevel*, ERS Principal, Security and Private Services, Deloitte and Touche, LLP and *Goran Ristovski*, Consultant and PSM graduate in Industrial Mathematics, Michigan State University
- o *Ray Phillippi*, Senior Manager, Health Services and Outcomes Research, BlueCross BlueShield of Tennessee and *Brad Landtroop*, Bio-statistical Research Analyst and PSM graduate in Biostatistics, Middle Tennessee State University
- o *Pam Gao*, Senior Vice President, Portfolio Manager, Putnam Investments and PSM graduate in Financial Mathematics, Worcester Polytechnic Institute
- o *Megan Lehrkamp*, Manager, Detection Development, Ventana Medical Systems and PSM graduate in Applied Biosciences, University of Arizona

3:00 p.m.      **Session: NRC Study Update - Enhancing the Master's Degree in the Natural Sciences**      Dewey

This session discusses the work of the Committee on Enhancing the Master's Degree in the Natural Sciences. The National Academies' study committee is examining how master's programs can be enhanced to better train advanced students in the physical, life, mathematical, and computer sciences so that they can meet employer needs, both private and public. This project will lead to a consensus report later this year that will provide findings, conclusions, and recommendations about appropriate goals and effective practices for enhancing master's education.

**Moderator:** *Michael Teitelbaum*, Vice President, Alfred P. Sloan Foundation

**Speaker:** *Peter Henderson*, Director, Board on Higher Education and Workforce, National Research Council

**Respondents:** *Don Langenberg*, Chair, CGS PSM Advisory Board, Professor of Physics, and Chancellor Emeritus, University of Maryland  
*Phil Tuchinsky*, Technical Expert, Infotronics and System Analytics, Ford Motor Company, retired  
*Jung Choi*, Associate Chair of Biology and Program Director, Georgia Institute of Technology  
*David Chapman*, Dean of the Graduate School and Overall Director, PSM Programs, University of Utah

3:30 p.m.      **Afternoon Break**      Dewey Foyer

4:00 p.m.      **Plenary IV: The Role of the Professional Science Master's Degree in Maintaining U.S. Competitiveness in the 21st Century**      Dewey

Concerns related to maintaining our competitive position in science, technology, engineering and mathematics (STEM) have been widely noted in numerous reports, papers and more recently in policy. A specific concern relates to the preparedness of U.S. citizens in STEM fields and whether we will have enough highly qualified professionals with the requisite skills in these fields to maintain our competitiveness in the years ahead. This session will provide an overview of the current concerns and will highlight the role of the PSM in addressing the situation. Participants will discuss initiatives underway at both state and federal levels as well as ways to enhance collaboration between various sectors.

**Moderator:** *Patricia McAllister*, Vice President, Government Relations and External Affairs, Council of Graduate Schools

**Speakers:** *Scott Steele*, Policy Analyst, Science Division, Office of Science and Technology Policy  
*Christopher Hayter*, Program Director, Economic Development, National Governors Association  
*James Collins*, Assistant Director for Biological Sciences, National Science Foundation

5:30-7:00 p.m.      **Reception**      Crystal Room

The format of today's program will change from large plenary sessions to six small group "Hot Topic" sessions. The Hot Topics were drawn from suggestions from, and voted on by, PSM program directors and PSM Advisory Board members. All six sessions will run concurrently three times throughout the morning, making it possible for you to participate in three Hot Topics discussions.

## Institutional Sustainability

Room 104

Facilitators: *Ursula Bechert*, Director of Off-Campus Programs, Oregon State University  
*Sally Francis*, Dean of the Graduate School, Oregon State University

## Internships and Placement

Monticello

Facilitators: *Shirley Kovacs*, Professor and Chair of Biology, California State University, Fresno  
*Gregory Buck*, Director, Center for the Study of Biological Complexity, Virginia Commonwealth University

## Marketing to Business/Industry and Intellectual Property

Williamsburg

Facilitators: *Scott Winston*, Winston Biopharmaceutical Consulting  
*Saeed Foroudastan*, Associate Dean and Program Director, Middle Tennessee State University

## Mounting or Purchasing "Plus" Courses

Room 204

Facilitators: *Paul Eloe*, Professor and Chair, Financial Mathematics, University of Dayton  
*Peiru Wu*, Associate Professor and Program Director, Industrial Mathematics, Michigan State University

## Program Assessment from all Perspectives

Mount Vernon

Facilitators: *Lisbeth Hamer*, Director, Microbial Biotechnology, North Carolina State University  
*Linda Strausbaugh*, Professor and Co-Director, Applied Genomics, The University of Connecticut

## Student Financing and Recruitment with an Emphasis on Recruiting Women, Under-represented Minorities, and International Students

Charleston I

Facilitators: *Keith Boyum*, Associate Vice Chancellor, Academic Affairs, California State University  
*Rana Khan*, Program Director, Biotechnology, University of Maryland University College

---

8:00 a.m.	Continental Breakfast	Chesapeake Hall
8:45 a.m.	Breakout I (See topics and room assignments, above)	
9:45 a.m.	Transition Break	
10:00 a.m.	Breakout II (See topics and room assignments, above)	
11:00 a.m.	Morning Coffee Break	Dewey Foyer
11:15 a.m.	Breakout III (See topics and room assignments, above)	
12:30 p.m.	Networking Lunch (seated at tables by breakout interest group)	Chesapeake Hall
1:45 p.m.	Recap Session	Dewey
	Moderators: <i>Priscilla Kimboko</i> , Dean of Graduate Studies and Grants Administration, Grand Valley State University <i>David Bieber</i> , Director, Natural Science Programs, University of Pennsylvania and Founding Executive Director, National Professional Science Master's Association	
	Speakers: Breakout Session Facilitators	
2:45 p.m.	Closing Comments	
	Speakers: <i>Bogdan Vernescu</i> , President, National Professional Science Master's Association <i>Don Langenberg</i> , Chair, CGS PSM Advisory Board, Professor of Physics, and Chancellor Emeritus, University of Maryland	
3:30 p.m.	Adjourn	