



NPSMA 6th NATIONAL CONFERENCE

November 12-13, 2015

Arlington, VA

Agenda

"Professional Science Master's Programs: The Vital Link between Higher Education and the STEM Workforce"

Thursday, November 12

- 7:00 – 8:30 a.m. Breakfast (Veranda)
- 7:45 – 8:45 Registration (Arlington Room Foyer)
- 8:45 – 9:00 **Greeting and Remarks** (Arlington Room)
Marilyn J. Wells, PhD, NPSMA President; Provost and Senior Vice President for Academic Affairs, Minnesota State University, Mankato
- DC Welcome**
Jonathan G. Tubman, Professor of Psychology, Vice Provost for Research and Dean of Graduate Studies, The American University
- 9:00 – 9:45 **Keynote Speaker** (Arlington Room)
The Role of Master's Education in Regional Economic Development
Suzanne Ortega, President, Council of Graduate Schools
- 9:45 – 10:30 **Plenary Speaker** (Arlington Room)
**U.S. Graduate Education in STEM:
Trends and Issues from the Perspective of the National Science Foundation**
Joan Ferrini-Mundi, Assistant Director, Education and Human Resources, National Science Foundation
- 10:30 – 11:15 **Plenary Presentation** (Arlington Room)
Professionalizing Graduate Education
Daniel D. Denecke, Vice President, Best Practices and Strategic Initiatives, Council of Graduate Schools

Walter Schaffer, Senior Scientific Advisor for Extramural Research
National Institute of Health

Session Chair:
Inge Wefes, NPSMA Board Member; Associate Dean of the Graduate School, University of Colorado Denver, Anschutz Medical Campus
- 11:15 – 11:45 **Break** (Arlington Room Foyer) * Take time to view posters*

11:45 – 12:45

Concurrent Session 1

(Arlington Room)

Lessons Learned from PSM Online Courses: An Interactive Video Discussion with Instructors and Students

Donald Pierson, NPSMA Board Member; Provost, University of Massachusetts Lowell

John Duff, Associate Professor, University of Massachusetts Boston

Glenn Mangurian, Adjunct Faculty, University of Massachusetts Lowell

Jack Wilson, President Emeritus; Professor, University of Massachusetts Lowell

Student enrolled in Fall Semester, PSM Leadership course

Concurrent Session 2

(Alexandria Room)

The Long Term Outlook of PSM Programs – Evolution in a Conservative Culture

Elizabeth S. Friedman, Director, Professional Master's Programs, Illinois Institute of Technology

Dagmar K. Beck, Director, Professional Science and Engineering Master's Programs, Rice University

12:45 – 2:00

Lunch (Veranda)

2:00 – 3:00

Concurrent Session 3

(Arlington Room)

Interdisciplinary Program Produces Graduates that Meet the Need of Industry

Saeed Foroudastan, NPSMA Board Member; Associate Dean and PSM Director, Middle Tennessee State University

Respondents:

Matthew Peter Nagowski, Administrative Vice President and Quantitative Modeling Manager, Treasury Division, M&T Bank (NY); Adjunct Lecturer, Applied and Computational Mathematics PSM, SUNY Buffalo

Peiru Wu, Director of PSM in Industrial Mathematics, Michigan State University

Concurrent Session 4

(Alexandria Room)

Standardizing Internships Across Disciplines

Mahdi Garelnabi, Associate Professor, University of Massachusetts, Lowell

Sanjeev Manohar, Professor, University of Massachusetts, Lowell

William Smith, PSM Professional Development Instructor and Industry Coordinator, University of Massachusetts, Lowell

Deborah White, Director of Graduate Administration, University of Massachusetts, Lowell

3:00 – 4:00

Concurrent Session 5

(Arlington Room)

Internships of Value: Creating meaningful Internships for PSM students and Employers Alike: Case Studies from the Financial Services Industry

Matthew Peter Nagowski, Administrative Vice President and Quantitative Modeling Manager, Treasury Division, M&T Bank (NY); Adjunct Lecturer, Applied and Computational Mathematics PSM, SUNY Buffalo

Concurrent Session 6

(Alexandria Room)

International PSM Programs and Perspectives

Deborah Silver, Vice President, NPSMA; Executive Director, PSM Program, Rutgers

Andrew Baird, Program Director, Workforce and Economic Opportunities, RTI International

Christine Chan, Senior Placement Officer, University Placement Services Division, Institute of International Education

Sarah-Ellen Kerr, Placement Officer, University Placement Services Division, Institute of International Education

Tomohisa Koyama, Professor for Academic Research & Industry-Academia-Government Collaboration, Nagoya University, Japan

- 4:00 – 4:30 **Break** (Arlington Room Foyer) * Take time to view posters*
- 4:30 – 5:30 **Concurrent Session 7** (Arlington Room)
- Benefits of PSM Affiliation for Educators
Kiriko Komura, PhD, Administrative Director, NPSMA and PSMNO at Keck Graduate Institute
James Sterling, Professor and Faculty Director of PSM National Office;
Director of Postdoctoral Professional Master's Program
- Concurrent Session 8** (Alexandria Room)
- Preparing Foreign Nationals in a STEM-Certified Program for the US Corporate Culture
Cristine Nigro, Assistant Director, Corporate Relations, Boston University, Questrom School of Business
- 5:30 – 7:00 **Reception**
Annual NPSMA Members' Meeting and Awards Ceremony (Veranda)
* POSTERS* Members and non-members are welcome. Cash bar.
- 7:00 **Dinner on your own** (see list at registration desk of topics being discussed at area restaurants)
- Friday, November 13**
- 6:30 – 8:00 a.m. **Breakfast** (Veranda)
- 8:00 – 8:35 **Greeting and Introduction** (Arlington Room)
Deborah Silver, NPSMA Vice President; Executive Director, PSM Program, Rutgers
- Plenary Speaker** (Arlington Room)
Revisiting the STEM Workforce
Matthew B. Wilson, Science and Engineering Policy Analyst, National Science Board,
National Science Foundation
- 8:35 – 9:15 **Keynote Speaker** (Arlington Room)
Advancing Science
Rush D. Holt, Chief Executive Officer and Executive Publisher of Science,
American Association for the Advancement of Science
- 9:15 – 10:15 **Concurrent Session 9** (Arlington Room)
- STEM and the Economics Profession**
Irina Yakadina, Senior Economist, Institute for Capacity Development, International Monetary Fund
Jules Leichter, Senior Economist, Institute for Capacity Development, International Monetary Fund
Kadir Tanyeri, Economic Modeler, Engineer, Information Tech Dept, International Monetary Fund
- Concurrent Session 10** (Alexandria Room)
- Preparing Undergrads for the PSM Program
Michael Jackson, Dean, College of Science and Technology, Millersville University
Vicki Martin, Assistant Dean for Research, College of Sciences, North Carolina State University
Bogdan Vernescu, Vice Provost for Research, ad interim, Worcester Polytechnic Institute
- 10:15 – 10:30 **Break** (Arlington Room Foyer) * Take time to view posters*
- 10:30 – 11:30 **Concurrent Session 11** (Arlington Room)
- Quality E-Learning in Higher Education—Developing Expertise using Effective Online Learning Strategies
Tristan E. Johnson, Executive Director of Graduate Education Initiatives;
Director of Online Education Graduate School of Engineering, Northeastern University

10:30 – 11:30

Concurrent Session 12 (Alexandria Room)

Advances in Assessment of Student Learning in Team Environments
James Sterling, Professor and Faculty Director of PSM National Office;
Director of Postdoctoral Professional Master's Program

11:30 – 12:30

Concurrent Session 13 (Arlington Room)

Beyond the PSM: Using the PSM to Leverage New Related Academic Opportunities
Mark Jakubauskas, PSM Program Director, University of Kansas – Edwards Campus

Concurrent Session 14 (Alexandria Room)

Strengthening the Quality of Professional Master's Programs through Comprehensive Evaluation –
An Example from the Field

James C. Anderson II, Director of Distance and Graduate Education, Virginia Tech
Ayla Arsel Wilk, Graduate Research Assistant (M.S.), Virginia Tech

12:30 – 1:00

Summary Session/Evaluation (Arlington Room)

1:00

Lunch (Veranda)

NPSMA 6th National Conference Planning Committee:

Joaquin Carbonara (Chairperson), SUNY Buffalo
Saeed Foroudastan, Middle Tennessee State University
Kiriko Komura, NPSMA and PSMNO at Keck Graduate Institute
Tara Levine, University of Central Florida
Carol Lynch, University of Colorado at Boulder
Patricia McAllister, NPSMA
Michael Morad, Cordis Corporation
Linda Strausbaugh, University of Connecticut
Debra Warren-Hite, NPSMA
Inge Wefes, University of Colorado Denver

Thank You

for participating in this event and contributing to its success.
We hope to see you again at the 7th NPSMA National Conference
on November 10-11, 2016 in Arlington, Virginia.

Please do not forget to complete the evaluation form.