

You are Invited

November 12-14, 2014

NPSMA 5th National Conference

"Expanding Paths to Professional 21st Century STEM Careers: creating a vision for new goals, partnerships and success"



**Georgia Tech Hotel and Conference Center
800 Spring St. NW
Atlanta, Georgia**

View program and register here:
<http://www.npsma.org/upcoming-national-conferences>

**Save \$50 on Conference Rates until September 10.
Deadline for hotel: October 17.
Deadline to register: November 3.**

General Admission:
NPSMA Members \$450; Non Members \$550
Admission and two nights at hotel:
NPSMA Members: \$750; Non Members \$850
Special PSM Student Rates:
Start at \$250
- meals included -

2014 NPSMA Awards

Each year at its National Conference held in November, NPSMA presents awards to outstanding members of the PSM community. Recognition will be given to those individuals who have made a difference. Please take a moment to consider your colleagues who have made outstanding contributions to the PSM program or to the NPSMA. Nominations for awards are accepted throughout the year.

Nominations must be received by October 15, 2014 to be considered for the November 2014 National Conference Awards Ceremony. Nominations received after this deadline will be considered for the following year.

For additional information and to see last year's recipients, go to <http://www.npsma.org/awards>.

Call for Nominations to Serve on the 2015 National Professional Science Master's Association (NPSMA) Board of Directors

The NPSMA has four (4) vacant positions to fill on the Board of Directors for 2015. Duly paid-to-date members of the NPSMA are invited to nominate themselves or other NPSMA members to the Board of Directors.

The Nominating Committee will present the slate of candidates to the NPSMA membership in late September 2014, with electronic voting to take place in October 2014.

Deadline for nominations: September 4, 2014. Procedures and requirements are available via email: admin@npsma.org.

Webinar Announcement

NPSMA and the National Association of System Heads (NASH) will co-host a webinar to examine the role of higher education systems in promoting the PSM. The California State University (CSU) will serve as one case study on the benefits, advantages, opportunities and challenges of building capacity across a large system.

The webinar is scheduled for Thursday, **September 18, 2014** at 2:00 pm (ET). Additional information will be available closer to the webinar date.

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News from the SUNY PSM Consortium

By David King, NPSMA Immediate Past President and Dean of Graduate Studies, State University of New York, Oswego



On April 28, 2014 more than twenty representatives attended the Spring 2014 meeting of the 19 campuses of the SUNY PSM Consortium at SUNY System headquarters in Albany. The Consortium Director, David King, Graduate Dean at SUNY Oswego, began the meeting by showing a video of SUNY Chancellor, Nancy Zimpher's speech at the PSM Milestone event at the Library of Congress last November 12, 2014. Chancellor Zimpher and the SUNY Provost have been strong supporters of the PSM initiatives among SUNY campuses as model partnerships between universities and businesses in New York State to promote economic and workplace development.

Michael Teitelbaum, former Director of the PSM program at the Sloan Foundation, provided a national perspective on PSM initiatives and possible support from various federal agencies. Jim Sterling, Director of the National PSM office at Keck Graduate Institute offered, via video conference, an update on new PSM program affiliations as well as the program assessment and re-affiliation process.

In the afternoon session, Linda Strausbaugh, Professor Emeritus of Genetics and Genomics at the University of Connecticut, facilitated discussion of a variety of PSM program issues: industry advisory boards and partnerships, internships, recruiting, etc. The group then heard a presentation from Julie Shurts from the Educational Testing Service, who discussed the value of E.T.S.'s Personal Performance Index as a way of assessing non-cognitive skills in admission and post graduation "value added" assessment of our PSM programs. Darren Leva, CEO of IntroMaps, spoke via video conference about the value of using IntroMaps to help PSM students and graduates network among their peers.

The meeting concluded with a review of the resources available on the PSM Milestone website which includes numerous video clips from political, higher education and business leaders, along with several PSM graduates discussing the value of the PSM degree. At the Milestone event, SUNY Cortland was nationally recognized for developing the 300th PSM program. The link is at psmmilestone.com.

The Consortium plans to meet again in the Fall of 2014.

April Workshop 2014 Summary:

Workforce Challenges and Opportunities in the Food and Agriculture Industries

By Sheila Thomas, NPSMA Convener and State University Dean for Extended and Continuing Education California State University System

Approximately 25 attendees enjoyed the workshop held on April 10-11, 2014 in the secluded Lafayette Hotel and Spa in Lafayette, CA, an hour's ride from San Francisco Airport.

The first day attendees listened to a presentation on food safety from Trevor Suslow from University of California Davis, and learned about agricultural technology from Timothy Connor, Monsanto Corporation. Attendees enjoyed the evening networking reception held in the exclusive Wishing Well Courtyard. The second day, attendees enjoyed hearing from Valerie Mellano, Cal Poly Pomona, about educational opportunities in the food and agriculture industries. An expert panel with Kristen Bennett, Monsanto Corporation, and Kimberly Rodrigues and Bonnie Fernandez-Fennaroli, University of California Davis, discussed perspectives on the high tech workforce needs of the food and agriculture industries. California Secretary of Food and Agriculture Sciences Karen Ross delivered the keynote address and joined the group for lunch. Attendees also heard presentations on setting up PSM programs, funding models, the importance of industry advisory boards and the affiliation process.



Secretary Ross, center, is pictured with Dr. Sheila Thomas, NPSMA Convener and Dean of Extended Education for the CSU system, and Dr. David Dyer, NPSMA Board Member and PABS Program Director.

News from the PSM Program in Industrial Mathematics at MSU

By Peiru Wu, Director, Professional Science Master's Program in Industrial Mathematics, Michigan State University

Begun in 1999-2000 with initial support from Alfred P. Sloan Foundation, the Professional Science Master's (PSM) in Industrial Mathematics (aka MSIM, Master of Science in Industrial Mathematics) Program at Michigan State University has continued to get national recognition as one of the oldest continuously running PSMs, and received the Board of Directors Award to a Program from the NPSMA in 2013. The program has been successfully preparing students for their career path in business, government, or industry for fifteen years.

The goal of the program is to produce generalized problem solvers of great versatility, capable of moving within an organization from task to task. The graduate will have studied not only the standard mathematical and statistical tools, but also the basic ideas of business and engineering, and will have received training in project management and industrial communication.

The program consists of seven pillars: Survey of Industrial Mathematics (MTH 843, Fall); Projects in Industrial Mathematics (MTH 844, Spring); Certificate in Project Management; Four Electives in Applied Mathematics; Two Electives in Statistics; Four Cognates (computer science, economics, engineering, marketing, and supply chain management etc.); and Portfolio Defense (Spring).



A total of seven MSIM students are graduated this year (see the pictures taken on Graduation Day at MSU in May 2014 above and below). The MSIM Graduates possess the following skills after two-year training for over fifteen years:

- Advanced applied mathematical training.
- Better understanding of business environment.
- Industrial project experience.
- Deeper understanding of computational issues.
- Technical writing skills.
- Good communication skills.



Welcome to our New Members

(January 1- July 31, 2014)

Avery Arendale, Rice University
 Sheryl Baldwin, Virginia Commonwealth University
 Bellevue University (John Kyndt)
 Nisha Bulsara, Northeastern University
 Corinne Davis, Middle Tennessee State University
 Tracy DeCook, University of Arizona
 Michele Espin, Rice University
 Meagan Flier, University of Miami
 Robert Froom, Illinois Institute of Technology
 Astrid Fuentes, Buffalo State College
 Niranjana Gopalakrishnan, Rutgers University
 Briyonne Havey Washington State University
 Joshua Hertel, University of North Carolina Charlotte
 Lucas Hixson Keck Graduate Institute
 Heather Houlton, American Geosciences Institute
 Jennifer Ickowski, SUNY Buffalo State
 George Ingraham, North Carolina State University
 Shira M Kruger, Rutgers University
 Danielle Leake, Rutgers University
 Hsiao-Ju Lee, Texas A&M University
 Cheng Liu, Rutgers University
 Katy Lunger, University of Maryland UC
 Ashley Machado, Northeastern University
 Gerald Maxwell, University of Connecticut Health Center
 Ashley McDonald, University of Central Florida
 Vishnu Priya Mohan, Northeastern University
 Sayantoni Mukhopadhyay, Grand Valley State University
 Ryan Murray, Northeastern University
 Sean Norton, Middle Tennessee State University
 Kayode Olugbuyi, University of District of Columbia
 Kenya Roberson, Middle Tennessee State University
 Denise Rundle, Richard Stockton College of NJ
 Scott Segal, Winona State University
 Joseph Serio, SUNY College at Buffalo
 Deepika Shenoy, University of Maryland Baltimore County
 Jeonghoon Shin, SUNY Buffalo State
 Linda Strausbaugh, University of Connecticut
 Jane Tan, University of Illinois at Urbana-Champaign
 Temple University (Zebulon Kendrick)
 University of North Carolina Charlotte (Joshua Hertel)
 Leszek Vincent, University of Missouri
 Jessica Walker, Rutgers University
 Madison Wallace, Northeastern University
 Sana Yousaf, Rutgers University

NPSMA Offers One Year Complimentary Memberships

NPSMA now offers a limited number of one year complimentary memberships. Please [contact us](#) for more information if you are:

- ◇ A Program Director whose program has undergone the affiliation process through the PSM National Office at KGI (see listing on sciencemasters.com website)
- ◇ A PSM Alum of an institution whose program has undergone the affiliation process through the PSM National Office at KGI (see listing on sciencemasters.com website)
- ◇ A PSM Alum of an Academic Institution member of the NPSMA (see listing on npsma.com website)
- ◇ A PSM Student of an Academic Institution member of the NPSMA (see listing on npsma.com website)

California State University San Marcos Student Named Finalist for Presidential Management Fellowship Program

CSUSM graduate student Arvin Tahami has been selected as a finalist for the prestigious Presidential Management Fellowship (PMF) Program. The program, which began in 1977, matches outstanding graduate students with Federal grant opportunities. The PMF Program provides students with an opportunity to work in a leadership role and perform valuable service while jump-starting a career.

This year 609 finalists were chosen from approximately 7,000 applications. The CSUSM student named as a finalist is a recent graduate of the Professional Science Master's in Biotechnology.

"We are thrilled with the recognition one of our many standout students has received," said Mike Schroder, Dean of Extended Learning. "Our curriculum is designed for all students to receive an education tailored to their needs and interests. Arvin is one student who has made the most of every educational opportunity he has had."

Arvin Tahami completed his undergraduate studies in biochemistry at CSUSM in 2007 and graduated from the Professional Science Master's (PSM) program in May 2012. He currently works as a molecular biologist for a global biotechnology company in San Diego.

"I decided to attend CSUSM's PSM program because during my time as an undergraduate I learned that CSUSM takes its responsibility towards scientific education very seriously. The professors here pride themselves on their commitment to teaching," said Tahami.

The PMF Program is administered by the U.S. Office of Personnel Management. Each year, candidates apply for the prestigious title of PMF Finalists. Selected Finalists are eligible for appointment as Fellows.

NPSMA Executive Committee and Staff

President: Marilyn Wells (Minnesota State University, Mankato)
 Vice President: Deborah Silver (Rutgers University)
 Convener: Sheila Thomas (California State University)
 Finance Officer: Joaquin Carbonara (SUNY Buffalo State College)
 Immediate Past President:
 David King (SUNY Oswego)
 Director of Strategic Planning and External Projects:
 Donald Langenberg (University System of Maryland)
 Coordinator: Debra Warren-Hite

Newsletter

Editors: Joan Huber, Peiru Wu
 Layout and Design: Debra Warren-Hite

The Voice of the PSM is published biannually by the NPSMA. Send newsletter submissions to admin@npsma.org.

New Contact Information for NPSMA

Please update your records. NPSMA has a new mailing address and phone number:

National Professional Science Master's Association
 P.O. Box 20220
 Worcester, MA 01602-0220

Phone: 508-471-4487

To reach the NPSMA Coordinator, Debra Warren-Hite, the email remains the same: admin@npsma.org.

Annual PSM Student Outcomes Survey

The PSM National Office (PSMNO) is conducting the Annual PSM Student Outcomes Survey. The survey invitation was sent to all PSM Program Directors, Coordinators, and Deans. The PSMNO needs your assistance in inviting your recent graduates (2011/12, 2012/13, and 2013/14) to participate.

Please distribute and encourage your recent graduates to complete this important survey by August 29, 2014.

If you have any questions about the survey, please contact the PSMNO at psmoffice@sciencemasters.com or by phone at 909-607-9368.

Rebate Program for NPSMA Memberships

The Alfred P. Sloan Foundation awarded the PSM National Office at the Keck Graduate Institute (KGI) funding for a rebate program that provides membership dues rebates for **new** institutional members of the National Professional Science Master's Association. This rebate program is not dependent upon your application for PSM affiliation with the PSM National office at KGI.

If your university would like to take advantage of the rebate program between now and **October 31, 2014**, you will be reimbursed 50% of the NPSMA membership fee. The rebate program works as follows:

- University joins the NPSMA for one year (\$2,000).
- University completes rebate form and W9 to send to KGI along with NPSMA membership receipt.
- KGI reimburses the university 50% of membership fee.

Download the rebate form and W9 [here](#). Join the NPSMA [here](#) or print the form on the last page of this newsletter. If you would like a NPSMA membership invoice to be sent to you, or you think we should contact another member of your university's administration, please contact Debra Warren-Hite at admin@npsma.org.

Where Did IntroMaps Go?

IntroMaps has been replaced with our newest search tool for members. Log into the NPSMA website and look under "my profile" to find this valuable search tool.



Invoice For Annual Membership Dues

(The NPSMA is a 501(c)(3) Nonprofit Organization; Tax ID # 20-8766099)

Please Check Appropriate Membership:

New Renewal

- Academic Institution \$2,000 ¹
- Academic System \$1,500 ²
- Professional, Individual \$ 75 First Year Complimentary ³
- PSM Alum \$ 75 First Year Complimentary ⁴
- PSM Student \$ 50 First Year Complimentary ⁵ \$ 25 ⁶

¹ one voting member per institution, one additional member per PSM program, and up to two additional representatives (e.g. graduate dean, academic dean, provost, etc.)

² per campus (minimum of six campuses).

³ if you are a Program Director whose program has undergone the affiliation process through the PSM National Office at KGI – first year NPSMA membership is complimentary.

⁴ if you are an Alum of an institution whose program has undergone the affiliation process through the PSM National Office at KGI or if your institution is an Academic Institution member of the NPSMA – first year NPSMA membership is complimentary.

⁵ if your institution is an Academic Institution member of the NPSMA, first year NPSMA membership is complimentary.

⁶ if your institution is an Academic Institution member of the NPSMA, second year NPSMA membership is \$25.

Please Provide Contact Information Below

Name and Title of Individual (Voting/Sustaining Member)

Program _____

Academic Institution _____

University System (if applicable) _____

Email _____ Phone _____

Address _____

City, State, Zip _____

Please make checks payable to the National Professional Science Master’s Association or NPSMA.

Mail to: NPSMA, P.O. Box 20220, Worcester, MA 01602-0220.

Complete last page if paying by credit card or pay online at www.npsma.org.

Thank you for your support of the NPSMA!

Name and Title of Individual (Non Voting/Affiliate Member)

Program _____

Academic Institution _____

University System (if applicable) _____

Email _____ Phone _____

Address _____

City, State, Zip _____

Name and Title of Individual (Non Voting/Affiliate Member)

Program _____

Academic Institution _____

University System (if applicable) _____

Email _____ Phone _____

Address _____

City, State, Zip _____

Name and Title of Individual (Non Voting/Affiliate Member)

Program _____

Academic Institution _____

University System (if applicable) _____

Email _____ Phone _____

Address _____

City, State, Zip _____

Membership Form Page 3

Credit Card Billing Information

Mail this page with membership form.

Credit Card Number _____

Payment Method (Mastercard/Visa/Discover) _____

Expiration Date on Card _____ Amount to Charge: \$_____

First Name _____

Last Name _____

Billing Address _____

City, State, Zip _____

Email _____ Phone _____