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#### OTHER NEWS

Mark your calendars- Fall Workshops will be Tuesday, November 6!

#### STEERING COMMITTEE:

Samara Firebaugh, Chair (USNA)

Joan Hoffmann, Secretary (APL)

Craig McGray, Treasurer (NIST)

Sarah Bergbreiter (UMD)

Ann Darrin (APL)

## Spring Symposium Highlights



Nearly 100 researchers came to Annapolis for our Spring Symposium. We got a lot of great feedback and we appreciate your involvement. It was a fun and informative day.

The breadth of topics for the morning speakers reflected the breadth of our discipline and spanned



the wide space from basic research to application. Dr. Tim Denison described how microtechnology allows us to explore the depths of the brain, Dr. Eric Snow described how the Navy views the role of nanoscience in our nation's future fleet, Dr. Pam Abshire described how new worlds are revealed at the nexus of biology and

Ryan Deacon (APL)  
Andrew Dehennis (SMSI)  
Stephanie Getty (NASA)  
Brian Jamieson (SBMicro)  
Robert Osiander (APL)  
Mak Paranjape (Georgetown)  
Marcel Pruessner (NRL)  
Keith Rebello (APL)  
Francisco Tejada (Sensing  
Machines)  
Ian White (UMD)

electronics, and Dr. Michael Gaitan presented the new semiconductor industry roadmaps that chart the future course for MEMS.

We also had a record number of posters (41) in the



afternoon session from universities, companies, and research institutions throughout the Mid-Atlantic. In this competitive field, the best student poster award went to Brendan Hanrahan from the University of Maryland for his poster, “Off-The-

Shelf MEMS for Rotary MEMS.” The proceedings for the symposium are now available at IEEE Xplore; you can get there by entering "MAMNA" in the search field of Xplore or at the following link:

<http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=6189094>

## Changes to the Steering Committee

After a long and successful term as president, Dr. Brian Jamieson has stepped down as president but will continue to serve on the steering committee. Under Brian’s leadership MAMNA went from a ragged band of researchers to an incorporated organization; we expanded our focus to encompass nano-technology and expanded our membership to cover a larger geographical area; and we were able to partner with IEEE to archive the proceedings of our spring symposium. The steering

committee is grateful for Brian's tremendous service to our community.

Dr. Samara Firebaugh is our new President, and hopes she can fill Brian's very big shoes. Samara is a professor at the United States Naval Academy in Annapolis, and does research in microrobotics and microsensors. She was the chair of the 2012 MAMNA spring symposium and has been a part of the MAMNA in its many forms for the better part of the past decade.

Dr. Joan Hoffmann has stepped into the role of Secretary, and Dr. Craig McGray has graciously offered to continue for another term as treasurer. Joan is a physicist at JHU/APL focusing on nanoscale materials and devices for sensing applications. Joan was also the co-organizer of the fall 2011 short-course event. Craig is the principal engineer at Modern Microsystems, Inc. and an Associate of the National Institute of Standards and Technology. His current research programs include metrology for micro- and nanotechnology, micromachining of advanced materials, and microfluidic technologies for public health applications.

We are also pleased to announce two new members of the steering committee: Dr. Francisco Tejada and Dr. Ryan Deacon. Francisco is the President of Sensing Machines which provides design and testing of integrated circuits, printed circuit boards and MEMS devices. Ryan is a materials scientist at the Johns Hopkins University Applied Physics Laboratory, and is also the editor of the

Springer journal, *Metallography, Microstructure and Analysis*.

## MAMNA Happy Hour on September 12

In addition to our spring symposium and fall workshops, this year we will also offer a series of “Happy Hours” where different members will tell us about what they do for a living. These are informal affairs that will all take place at the [Frisco Taphouse and Brewery](#) in Columbia, Maryland. Our first Happy Hour for the year will be Wednesday, September 12, at 5 pm, with Dr. Keith Rebello. Keith is the supervisor for the Microelectromechanical Systems & Integrated Circuits group (MEMS & ICs) at Johns Hopkins University Applied Physics Laboratory.

## MAMNA is now on Linked In!

We are working on upgrading our web presence. As part of this we’ve formed a Linked In Group, “Mid-Atlantic Micro/Nano Alliance (MAMNA)”. The purpose of this group is to foster discussion amongst our community. Junk mail and advertising will be strictly policed.

## Maryland Robotics Day

The University of Maryland is sponsoring Maryland Robotics Day on Friday, Sept. 21. This is a free event designed to acquaint you with the University of Maryland's many robotics research projects, faculty, students and facilities. This day provides opportunities for visits with faculty and students along with lab tours and demos

covering miniature robotics (mobile microrobots, cell manipulation, micro/nano manipulation), medical robotics, unmanned vehicles, robotics for extreme environments, and collaborative robotics. More information can be found at: [http://robotics.umd.edu/Md\\_robo\\_day/index.php](http://robotics.umd.edu/Md_robo_day/index.php).

MARK YOUR CALENDARS – FALL WORKSHOPS WILL BE TUESDAY, NOVEMBER 6!

### **MAMNA Mission**

*The Mid-Atlantic Micro/Nano Alliance is an alliance of companies, universities, and government laboratories in the Washington DC metropolitan area.*



Our mission is to create a group that networks expertise, capabilities, and research to facilitate the development of new applications and commercialization of miniaturization technologies.