



**CALL FOR PAPERS**  
**2011 SUMMER BIOENGINEERING CONFERENCE**  
**Farmington, Pennsylvania, June 22-25, 2011**

The Bioengineering Division of the American Society of Mechanical Engineers cordially invites you to attend the 2011 Summer Bioengineering Conference which will be held in at the luxurious Nemaocolin Woodlands Resort, located on 2,000 wooded acres in the Laurel Highlands in Southwestern Pennsylvania. Close to the famous Fallingwater house by America's premier architect Frank Lloyd Wright, and world-class white-water rafting and mountain biking, the resort is a pristine mountain location offering outdoor adventures -- including, an off-road Hummer™ course, fly fishing, a 35-station shooting clay course, a zoo, a ropes course, rock-climbing, and more -- in the setting of AAA 5-Diamond lodging and dining (<http://www.nemaocolin.com/>).



An outstanding scientific program has been planned: **Plenary lectures** will highlight two outstanding speakers. Dr. Elazer Edelman's lecture will focus on vascular biotechnology. He is Thomas D. and Virginia W. Cabot Professor of Health Sciences and Technology at MIT, Professor of Medicine at Harvard Medical School, and a coronary care unit cardiologist at the Brigham and Women's Hospital in Boston. Dr. Roger Quinn, Arthur P. Armington Professor of Engineering at Case Western Reserve University and Director of the Center for Biologically Inspired Robotics Research will deliver a plenary lecture on how insights gained from nature can help design better robots and mechanisms to perform tasks and help people with disabilities. An exceptional series of **workshops and scientific sessions** are planned at the conference. SBC 2011 will place a specific emphasis on Rehabilitation with a planned workshop on funding opportunities with participants from federal funding agencies and a signature undergraduate senior design competition of concepts aiming to aid people with disabilities. The conference will celebrate the 70th Birthday of Dr. Savio L-Y. Woo with special sessions in his honor

**Student Paper Competition:** The format of the Student Paper Competition has changed significantly this year. Abstracts are solicited for consideration in the student paper competition at the levels of BS, MS and PhD. Students at the BS and MS levels that are selected as finalists for the competition will present their work in poster sessions. Due to the incredible success of the PhD Student Paper Competition, the podium sessions have been expanded to 6 parallel podium sessions where the 36 highest scoring abstracts will be presented. The remaining abstracts submitted to the PhD competition, but not selected as a podium finalist, will be considered for the general program, either podium or poster presentation. Cash awards will be made to the top papers at each level in multiple technical areas. *There will be no PhD poster competition, and all finalists must be present at conference for consideration in the competition.* Further information and instructions for the submission process are available at the conference website.

And, *for the first time at the SBC*, a **BS level senior design competition** will be held with a focus on projects aiming to aid people with disabilities. Senior design teams are encouraged to enter their proposals in the regular abstracts format by January 15<sup>th</sup>. The top six projects will be selected from the submitted proposals and students will present their final designs at the SBC during a special podium session. Monetary awards for the six finalist teams are planned to help defray building costs for the projects and travel expenses to the conference, based on availability of funding. Details to follow on the conference website.

## **Submission of abstracts in all areas of Bioengineering and Biomechanics are invited**

*Submission instructions may be found at [www.asmeconferences.org/SBC2011](http://www.asmeconferences.org/SBC2011)*

**Important Dates:** **January 15, 2011** Submission of two-page abstracts (including Student Competitions),  
**March 31, 2010** Notification of Authors

**Conference Chair:**  
David Vorp, Ph.D.  
University of Pittsburgh

**Program Chair:**  
Ozan Akkus, Ph.D.  
Purdue University