

Faculty Seminar Series

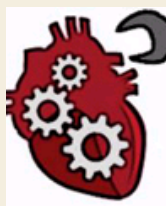


December 7, 2009
4:30-5:30 pm, Connan Room, University Center
"Open Source + Open Data = Open Science: Changing Research in a World Enabled by Digital Technology"
Terry S. Yoo, Ph.D., National Institutes of Health

Seminar Announcement with Abstract ([pdf](#))

For complete series listing, click [here](#).

BME Symposia

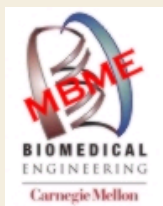


September 22, 2009
9:00 am-4:30 pm, Singleton Room (401 Roberts Hall)
2009 Biomechanics Day at Carnegie Mellon
Micro-biomechanics: Thinking Big & Measuring Small

For more information, please visit the [2009 Biomechanics Day website](#).

Search BME:

BME in the News



A new 9-12 month, Course-Based MBME Master Program is designed to help career development of students of biomedical engineering as well as traditional engineering or basic sciences. The program facilitates either entry into the exciting biomedical engineering job market, or career transition to M.D. or Ph.D. programs. [More ...](#)



Prof. **Gustavo Rohde** has been awarded an NIH R21 grant, entitled "Deformation-Based Computational Morphometry for Cell Biology Applications". The project is to develop sophisticated informatics tools for analyzing images acquired in cell biological studies.



Prof. **Ender Finol** has been awarded an NIH R21 grant, entitled "A Fluid-Structure Interaction Method for Patient-Specific Cardiovascular Modeling". The project is to develop an efficient computational methodology for analyzing strongly coupled fluid-structure interaction (FSI) for domains with multiple materials. Prof. Finol has in addition received two supplemental awards for this grant, which will enable him to hire post-doctoral fellows.



Graduate student **Sanna Gaspard** received an Honorable Mention Graduate Student Research Award at the 2009 Biomedical Engineering Society Annual Meeting. Her study is entitled "A Point-of-Care Device for Quantitative Stage-I Pressure Ulcer Diagnosis Regardless of Skin Color".



Biomedical Engineering seniors **Rebecca Asher**, **Ryan Chehanske**, **Marina Musicus**, and **Julie Ng** are inducted as Andrew Carnegie Society Scholars. The award is given to students who show not only academic excellence but also multi-dimensional characteristics such as volunteerism, involvement in student organizations, participation in sports or the arts, and leadership. [More...](#)

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Prof. **Jelena Kovacevic** delivered a plenary lecture, entitled "Problems in Biological Imaging: Opportunities for Mathematical Signal Processing", at the 14th General Meeting of European Women in Mathematics held in Novi Sad, Serbia on August 25-28, 2009.



BME graduate student Chris Highley receives the 2009-10 Dowd-ICES Fellowship, which provides support for graduate students doing cutting edge research. [More...](#)



Prof. **James Antaki** received ARRA funding from NIH to study a new technique of treating malaria through magnetic separation technology. As over 500 million people worldwide are afflicted with the disease, the project is expected to have an enormous impact.



Former BME M.D./Ph.D. student David Wang published two papers from his Ph.D. research with Prof. **George Stetten**. The first [Request](#) describes successful clinical trials for "Sonic Flashlight", a new image guidance device, in the placement of catheters in the deep veins of the arm. The second paper [Request](#) describes an automated system for identifying the jugular vein and carotid artery using ultrasound. Dr. David Wang has accepted a resident position in Radiology at the University of Pittsburgh Medical Center.



Professor and Head **Yu-li Wang** delivered the opening keynote speech, entitled "Fluorescence Imaging of Live Cells - Seeing and Understanding Leaves, Trees and Forests", at the 2009 European Light Microscopy Initiative Meeting held in Glasgow, Scotland on June 9-12, 2009.

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