Central Illinois Section

IEEE Day 2015 Event Notice

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IEEE Day 2015 Event: Tuesday, October 6th @ 5:45 PM

Microelectromechanical Systems: Recent Developments in Biosensing and Nanoscale Characterization

Dr. Shannon J. Timpe

Professor of Mechanical Engineering

Bradley University, Peoria, IL

Date: Tuesday, October 6th, 2015
Time: 5:45 PM - 7:45 PM
Location: 330 Jobst Hall
Bradley University
Peoria, IL 61625

Agenda

5:45 - 6:00 PM: Sign-in and Meet & Greet (Refreshments provided)
6:00 - 6:10 PM: IEEE Day Celebration (IEEE giveaways)
6:10 - 7:10 PM: Talk by Shannon Timpe and Q&A
7:10 - 7:30 PM: Tour of MEMS Lab
7:30 -7:40 PM: Socializing and Networking
7:40 - 7:45 PM: IEEE Day Concluding Remarks
7:45 PM: Meeting Adjourned

Organizer: Anu Gokhale, CILS Secretary

For questions, contact Anu Gokhale <aagokhale@ilstu.edu>

Abstract:

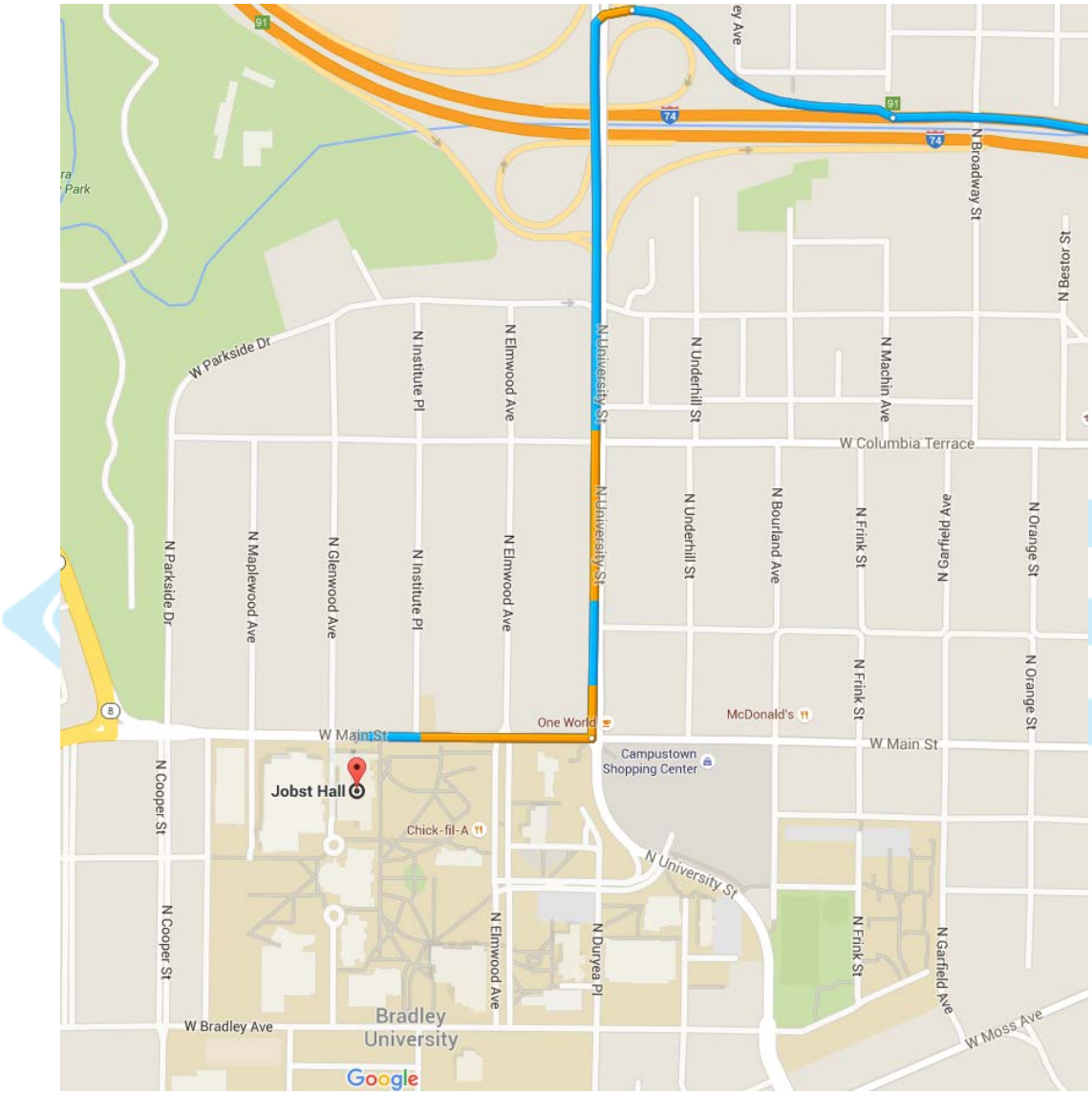
Microelectromechanical systems, or MEMS, refers to a class of complex, semiconductor-based engineering devices with applications as diverse as biosensing, energy harvesting, optics, and RF electronics. In this seminar, Dr. Timpe will present an overview of the field and describe some of the recent boundary-pushing applications in MEMS technology. In addition, the seminar will present a detailed description of some active research from the Timpe Research Group. This includes utilization of microtechnology for applications in biosensing for drug discovery efforts and activities related to nanoscale material characterization will be presented. In this research, custom-designed MEMS devices are used to identify the effects of microfabrication on semiconductor properties.

About the speaker:

Dr. Shannon J. Timpe has been a Professor of Mechanical Engineering at Bradley University since 2011. He received PhD and M.S. degrees from the University of California at Berkeley in 2007 and 2004 and the B.S. degree from the University of Illinois at Urbana-Champaign in 2002. Dr. Timpe has active, interdisciplinary research in several emerging areas of engineering including microelectromechanical systems, nanotechnology, and biosensing.

Directions:

[Traveling to Peoria via I-74]
Take Exit 91 from I-74 to N University St.
Go South on N University St. to W Main St
Go West on West Main St until you arrive at Jobst Hall



Please click on the following links to get the site, map and directions:

Google Maps
Bradley University Interactive Map

For the full agenda, registration and information, please click on the link below:

October 6th IEEE Day Meeting Registration

**** Refreshments will be provided ****

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c/o Tim O'Connell
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Savoy, Illinois 61874

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