



Monthly Seminar Series:

Graphene-based two-dimensional optoelectronics

by **Prof. Zhaohui Zhong**

EECS - University of Michigan

Date: **Sept. 23rd at 7pm**

Location: **1123 Lurie Biomedical Engineering Building (LBME)**

University of Michigan

North Campus

1101 Beal Ave., Ann Arbor, MI

Abstract: Graphene is a true 2D nanomaterial with exceptional electrical and optical properties, offering opportunities for next generation optoelectronic devices which not only have smaller sizes but often exhibit unique functionalities. The research in our group aims at exploiting material properties and device applications enabled uniquely by low dimensional nanomaterials including graphene. Topics of this talk will include: 1) investigation of photocarrier generation and extraction mechanism in graphene optoelectronic devices; 2) responsivity photodetector.

Bio: Zhaohui Zhong is currently an Associate Professor of Electrical Engineering and Computer Science at the University of Michigan. He received his B.S. and M.S. in Chemistry from Nanjing University in 1998 and 2000, and his Ph.D. in Chemistry from Harvard University in 2005. From 2005 to 2008, he was a postdoctoral associate at Cornell Center for Nanoscale Systems. He joined the faculty of EECS at the University of Michigan in 2008. He is a recipient of ACS Petroleum Fund Doctoral New Investigator (2011), and NSF CAREER award (2013). His research lies on the frontiers of nanoelectronics and nanophotonics, and has been cited for more than 4000 times.

Directions and parking: The LBME building is located at 1101 Beal Ave., Ann Arbor, MI, 48109, across Fuller Rd. from the VA hospital. Parking is free after 6pm at the Blue Lot at Fuller Rd and Beal Ave (https://pts.umich.edu/maps/north_medical.pdf).