

***The University of Alabama  
Department of Computer Science  
Colloquium Series Speaker***

**Dr. Guangbin Fan  
Department of Computer and Information Science  
University of Mississippi**

**Research in the Next Generation Mixed Wireless Networks**

**Friday, November 18<sup>th</sup>  
11:00 a.m., HO 108**

**Abstract:**

The life in the world will be fully connected in the future and the computing will be in a mixed wireless and wired environment featuring many access technologies. The success of Wi-Fi, Cellular networks and emergence of ad hoc, sensor networks, WiMax, etc have created exciting platform and challenges for industry and research community. In this talk, we will address some current research efforts in mixed networking and the technical challenges that must be overcome to achieve an efficient next generation system to support mobility and QoS. We will also discuss some solutions to assist seamless roaming while across different access technologies in the heterogeneous networks.

**Dr. Fan's Bio:**

Dr. Guangbin Fan is currently an Assistant Professor with the Department of Computer and Information Science at the University of Mississippi. He received his Ph.D. in Computer Science from the University of Alabama in August 2003. Before that, he received his ME in Renmin University of China, and his BS in Shandong University. His current research interests include mixed wireless networks, Internet protocols, mobility management, etc. He has over twenty publications in major journal and technical conferences in the last few years. He is an editorial board member of IEEE Communications Surveys and Tutorials. He also serves on the technical committees of several International Conferences in networks and on the panels of National Science Foundation in Washington.