

ECE Department Seminar

Title : An Overview of Wireless Network Simulation Using NS3 Modeling Tool

Speaker : Dr. Thi Mai Trang Nguyen

Associate Professor at University Pierre and Marie Curie (Paris 6), France

Wednesday, June 21, 2017, 3:00 pm

Nguyen Engineering Building Room 3507

Abstract: Network simulation is one of the three approaches to network performance evaluation and protocol design, besides analytical models and test-bed. While analytical models sometimes cannot exactly model the real complex systems and test-beds with real equipment are too costly, network simulation presents a convenient solution. NS3 is a discrete-event network simulator which has been widely used for teaching and research in networking at universities. This talk presents the use of NS3 to simulate mobile wireless networks. The main focus will be on Wi-Fi and LTE networks.

Short Bio : Dr. Thi Mai Trang Nguyen is Associate Professor in Computer Science at University of Pierre and Marie Curie (Paris 6), France. She received the M.S. degree in Networking from University of Versailles in 2000 and PhD degree in Computer Science from University of Paris 6 in 2003. She has been active in the Internet Engineering Task Force (IETF) and been involved in International, European and French research projects on Future Internet. Her research interests include the future Internet architecture, mobile wireless networks and Cloud networking.