Approximate Services in Internet of Things
R Venkatesha Prasad, Delft University of Technology

Date: January 20, 2012 (Friday)
Time: 4:30 pm (refreshment starts at 4:15 pm)
Place: 202 ECEC, NJIT

About the Speaker

R Venkatesha Prasad received his bachelor's degree in Electronics and Communication Engineering and M.Tech degree in Industrial Electronics from University of Mysore, India in 1991 and 1994. He received a Ph.D degree in 2003 from Indian Institute of Science, Bangalore India. During 1996, he was working as a consultant and project associate for ERNET Lab of ECE at Indian Institute of Science. While pursuing the Ph.D degree, from 1999 to 2003 he was also working as a consultant for CEDT, IISc, Bangalore for VoIP application developments as part of Nortel Networks sponsored project. In 2003, he was heading a team of engineers at the Esqube Communication Solutions Pvt. Ltd. Bangalore for the development of various real-time networking applications. Currently, he is a part time consultant to Esqube. From 2005 till date he is a senior researcher at Wireless and Mobile Communications group, Delft University of Technology working on the EU funded projects MAGNET/MAGNET Beyond and PNP-2008 and guiding graduate students. He is an active member of TCCN, IEEE SCC41, and reviewer of many Transactions and Journals. He is on the TPC of many conferences including ICC, GlobeCom, ACM MM, ACM SIGCHI, etc. He is the TPC co-chair of CogNet workshop in 2007, 2008 and 2009 and TPC chair for E2Nets at IEEE ICC-2010. He is also running PerNets workshop from 2006 with IEEE CCNC. He is the Tutorial Co-Chair of CCNC 2009 & 2011 and Demo Chair of IEEE CCNC 2010. He is the secretary of IEEE ComSoc Standards Development Board and secretary of TCCN.
.

About the Talk

Communication and specifically networking has brought a huge change in our lifestyles. Coupled with the increased use of mobile services, more and more population is increasingly being networked. It is observed that people are dependent on networks, networked devices, and the services provided by them. People, in the near future, will get even more connected and dependent on the ICT systems. Higher the dependency, higher is the complexity of the desired services from these systems. Further, as we can see that this dependency will drive people to expect the services everywhere, and it may not be feasible always. Thus, when a particular service is unavailable at a location, one has to find some form of services that is as similar as possible to the one sought after. We envisage here a dynamic, approximate service composition. It is expected to satisfy the users under the given circumstance though it is not a complete service. In this talk I will motivate the idea of Approximate Services. I will try to show the possibilities. This talk is intended more towards having interactions and comments since, I have just started working towards this idea in the EU FP7 Project iCore.

Sponsors: **IEEE Communications Society North Jersey Chapter**
NJIT Department of Electrical and Computer Engineering

For more information contact Nirwan Ansari (973)596-3670. Check **http://web.njit.edu/~ieeenj/comm.html** for latest updates. Directions to NJIT can be found at: **http://www.njit.edu/about/visit/gettingtonjit.php**.