University of Pavia

Ph.D. School of Electrical and Electronics Engineering and Computer Science

SEMINAR

The GnuRadio software tool

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May 11, 2018, 16:00-18:00
Aula Seminari ex Dip. Elettronica

Abstract: Software Defined Radio (SDR) is a key enabler for Cognitive Radio (CR) technology. Where hardware design cannot handle the dynamic nature of CR networks. In this seminar, we will introduce the Universal Software Radio Peripheral (USRP) as our tool to implement the CR functionalities. Then, tutorials on the Gnu radio as our signal processing software will be given. Finally, an Energy Aware Wireless System based SDR (EWS-SDR) protocol will be explained and discussed.

Bio: Ahmed Masri was born in Nablus (Palestine) on July 10, 1984. He obtained his BS degree in computer engineering, from An-Najah National University in 2007. Then, at end of 2008, he graduated from the 2nd level specializing master "Wireless Systems and Related Technologies" from Politecnico di Torino with summa cum laude. Next in 2009, he started his PhD study in the Department of Electronics and Telecommunications at the Politecnico di Torino. During 2011, he was a visiting researcher at Aalto University in Finland as part of his PhD study. He obtained his PhD degree with thesis titled "Design and Performance Evaluation of Cognitive Radio Networks" in 2012. Starting from 2013, he is an assistant professor in the Telecommunication Engineering Department at An-Najah National University and he is the project leader for the Internet over TV band design and implementation project.

Organizer	**Ph.D. Coordinator**
Prof. P. Gamba	Prof. Paolo Di Barba

Seminar in English   For more information: gamba@unipv.it