University of Pavia

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

SEMINAR

Dynamic spectrum access techniques

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Aula E4

Abstract: The dynamic behavior of primary network imposes the use of dynamic spectrum access techniques in Cognitive Radio (CR) technology. In this seminar, three main access schemes will be detailed, namely: Interweave (White Spaces), Underlay (Gray Spaces) and Overlay (Black Spaces). In the underlay scheme we will get the chance to have a look on the UWB radio technology in details. Finally, we will discuss together the Common Control Channel (CCC) problem in CR.

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

Prof. P. Gamba

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Seminar in English

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