

Final Program for CWNets 2007

8:00 – 8:10	Opening Remarks and Welcome
8:10 – 9:10	<p>Keynote Address to be presented by Professor Simon Haykin, McMaster University, Canada</p> <p>Title: Cognitive Radio: A Way of the Future for Wireless Communications</p>
9:10 – 10:00	<p>Session 1: Channel Allocation/Selection in Cognitive Radio Networks</p> <p>Session Chair: Andrea Cattoni, University of Genova, Italy</p> <p><i>A Localized and Distributed Channel Assignment Framework for Cognitive Radio Networks</i> Subir Biswas, Anthony Plummer, and Tao Wu Michigan State University, USA</p> <p><i>Dynamic Channel Selection in Dense WiFi Networks</i> Hidekazu Miyoshi, Innovation Core SEI, USA</p>
10:00 – 10:30	Coffee Break
10:30 – 12:00	<p>Session 2: Radio Resource Management in Cognitive Radio Networks</p> <p>Session Chair: Danny H. K. Tsang, Hong Kong University of Science and Technology, Hong Kong</p> <p><i>Efficient Spectrum Sharing and Power Control in Cognitive Radio Networks</i> Miao Ma and Danny H. K. Tsang The Hong Kong University of Science and Technology, Hong Kong</p>

	<p><i>Resource Allocation for Cognitive Radio: A Nonlinear Programming Approach</i> Pin-Hsun Lin, Tong-Hua Hsieh, and Hsuan-Jung Su National Taiwan University, Taiwan</p> <p><i>Optimal Power Allocation For Cognitive Radio Based on a Virtual Noise Threshold</i> Majed Haddad Eurecom Institute, France</p>
12:00 – 13:30	Lunch Break
13:30 – 15:00	<p>Keynote address to be presented by Kursat Kimyacioglu, Philips Research North America, USA</p> <p>Title: Cognitive Radio (CR) Technology - Applications and Business Aspects</p>
15:00 – 15:30	Coffee Break
15:30 – 17:00	<p>Session 3: Cognitive Techniques</p> <p>Session Chair: Andrea Cattoni, University of Genova, Italy</p> <p><i>Optimizing for Sparse Training of Cognitive Radio Networks</i> Christian Doerr, Douglas Sicker, and Dirk Grunwald University of Colorado, USA</p> <p><i>HOS-Based Mode Classification for Infomobility Framework</i> Andrea F.Cattoni, Marina Ottonello, Mirco Raffetto, and Carlo Regazzoni University of Genova, Italy</p> <p><i>Spectrum Sensing and Transmission Mode Detection Algorithms for DVB-T OFDM</i> Hou-Shin Chen Houshin et al. Rutgers University, USA</p>