IEEE CORAL 2013 Workshop Program

http://www.cs.unibo.it/coral2013/
Date: Tuesday June 4th, 2013

9.00am – 9.30am: Breakfast
9.30am – 9.45am: Welcome and Workshop Introduction
9.45am – 10.45am: Session I, Keynote Speech
"Looking Future in Rearview Mirror: Is there spectrum scarcity?"
Prof. Petri Mähönen
Institute for Networked Systems at RWTH Aachen University, Germany

10.45am – 11.00am: Keynote Q&A

11.00am – 11.30am: Coffee Break

11.30am – 13.00pm: Session II, Spectrum Sensing
11.30am – 12.00am: "Cost Minimizing Inter-sensing Duration in Cognitive Radio Networks"
Kuheli Louha Haldar (University of Cincinnati, USA); Dharma P Agrawal (University of Cincinnati, USA); Sajal K. Das (University of Texas at Arlington, USA)
12.00am – 12.30pm: "Distributed RF sensing framework with radio environment emulation"
Carlos M. Ribeiro (Instituto de Telecomunicações / Instituto Politécnico de Leiria, Portugal); Jose Quaresma (Instituto de Telecomunicações / Instituto Politécnico de Leiria, Portugal); Atílio Gameiro (Instituto de Telecomunicações / Universidade de Aveiro, Portugal); Martin Zelenak (Agilent Technologies, Portugal); Jonathan Duplicy (Agilent, Belgium)
12.30pm – 13.00pm: "Blind non-parametric statistics for multichannel detection based on statistical covariances"
Vidyadhar Upadhya (IIT Madras, India); Devendra Jalihal (Indian Institute of Technology Madras, India)

13.00pm – 14.00pm: Lunch Break

14.00pm – 15.30pm: Session III, Spectrum Sharing and Secure Access
14.00pm – 14.30pm: "A Flexible Multi-Criteria Scheme to Detect Primary User Emulation Attacks in CRAHNs"
Julio Soto (Federal University of Parana, Brazil); Saulo Queiroz (Federal University of Technology - Parana, Brazil); Maria Gregori (CTTC, Spain); Michele Nogueira (Federal University of Parana, Brazil)
14.30pm – 15.00pm: "A Linear-Time Algorithm for Optimal Multi-Channel Access in Cognitive Radio Networks"
Luca Zappaterra (The George Washington University, USA); Joseph Gomes (Bowie State University, USA); Amrinder Arora (The George Washington University, USA); Hyeong-Ah Choi (The George Washington University, USA)
15.00pm – 15.30pm: "Spectrum Sharing and Impact on Spectrum Handoff in Multi-Channel Cognitive Radio Networks"
Adisorn Lertsinsrubtavee (UPMC Sorbonne Universitée, France); Naceur Malouch Universitée Pierre e Marie Curie - Paris 6, France); Serge Fdida (UPMC Sorbonne Universitée, France; Kanchana Kanchanasut (Asian Institute of Technology, Thailand)

15.30pm – 16.00pm: Coffee Break

16.00pm – 18.00pm: Session IV, Measurements and Practical Network Architectures
16.00pm – 16.30pm: "Performance Evaluation of Single-Chip Spectrum Sensing Platform for Portable Spectrum Measurements"
Alexandros Palaios (RWTH Aachen University, Germany); Janne Riihijärvi (RWTH Aachen University, Germany); Petri Mähönen (RWTH Aachen University, Germany); Peter Van Wesemael (IMEC, Belgium); Mattias Desmet (IMEC, Belgium); Antoine Dejonghe (IMEC, Belgium)
16.30pm – 17.00pm: "A Topology Control Mechanism for Cognitive Smallcell Networks under Heterogeneous Traffic"
Müge Erel (Istanbul Technical University, Turkey); Yusuf Özçevik (Istanbul Technical University, Turkey); Berk Canberk (Istanbul Technical University, Turkey)
17.00pm – 17.30pm: "White Space Detection and Spectrum Characterization in Urban and Rural India"
Pradeep Kumar (Indian Institute of Technology, Delhi, India); Nitin Rakheja (Indian Institute of Technology, New Delhi, India); Aparna Sarswat (Indian Institute of Technology, Delhi, India); Himanshu Varshney (Indian Institute of Technology, Delhi, India); Prerna Bhatia (Indian Institute of Technology, Delhi, India); Sandeep Goli (Indian Institute of Technology, Delhi, India); Vinay Ribeiro (IIT Delhi, India); Manish Sharma (Indian Institute of Technology Delhi, India)
17.30pm – 18.00pm: "Geo-location Database based TV White Space for Interference Mitigation in LTE Femtocell Networks"
Fei Peng (University of London, United Kingdom); Nan Wang (Electronic Engineering and Computer Science, United Kingdom); Yue Gao (Queen Mary University of London, United Kingdom); Laurie Cuthbert (Queen Mary, University of London, United Kingdom); Xing Zhang (Beijing University of Posts and Telecommunications, P.R. China)

18.00pm – 18.10pm: Best Student Paper Award 2013 announcement and Closing Remarks