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## ARCO5G (Advances in 5G Communications Networks) Workshop

Co-located with the 27th Annual IEEE International Symposium on Personal, Indoor, and Mobile Radio Communications (PIMRC2016)

Thursday, September 8<sup>th</sup>, 2016

Universitat Politècnica de Valencia, Nexus Building, Valencia, SPAIN

### Program at a Glance

#### 09:00 – 10:40 Session I

- 09:00**      **Opening: ARCO5G Excellence Network – Perspective and Opportunities**  
Narcis Cardona – Universitat Politècnica de València, Spain
- 09:25**      **Invited Talk: System-Level Evaluation of 5G Access Networks**  
Ramon Agüero – Universidad de Cantabria, Spain
- 09:50**      **Network-Assisted Distributed Radio Resource Allocation for D2D Communications**  
Javier Gozalvez – Universidad Miguel Hernández, Spain
- 10:15**      **Multi-carrier Waveforms for Machine-Type-Communications in 5G**  
Kun Chen Hu – Universidad Carlos III, Spain

#### 11:10 – 12:50 Session II

- 11:10**      **Future 5G SON: University of Málaga - Mobilenet Group Approach and Perspectives**  
Sergio Fortes, Pablo Oliver – Universidad de Málaga, Spain
- 11:35**      **Wideband Scheduling and Resource Allocation Using Advanced MIMO Processing**  
Felip Riera-Palou – Universitat Illes Balears, Spain
- 12:00**      **Exploring 94 GHz as a New mmW Frequency Band for 5G**  
José María Molina-García-Pardo – Universidad Politécnica de Cartagena, Spain
- 12:25**      **On the Use of Serious Game Engineering for 5G System Performance Evaluation**  
Jose F. Monserrat – Universitat Politècnica de València, Spain

#### 14:30 – 16:00 Session III

- 14:30**      **Link Error Prediction for WideBand Multicarrier Systems Based on Machine Learning**  
Alberto Carreras Mesa – Universidad de Málaga, Spain
- 14:55**      **4G and 5G Link Performance Prediction Based on Link Abstraction Techniques**  
Joan Olmos – Universitat Politècnica de Catalunya, Spain
- 15:20**      **Spatial UWB In-Body Channel Characterization by Using Novel Phantoms at 5G Frequencies**  
Carlos Andreu – Universitat Politècnica de València, Spain
- 15:45**      **Closing**  
Narcis Cardona – Universitat Politècnica de València, Spain