



Workshop on Communications, Public Safety and Innovative Applications with Aerial Drones

(from the CONQUEST CMU/ECE/0030/2017 project, and co-organized with the IEEE VTS Portugal Chapter, co-located with Confetele2019, Wednesday, June 26, Sede Ordem dos Engenheiros, Lisboa)

Programme

10:40 Welcome to the participants

11:00 David Gomes and Pedro Sebastião (IT and ISCTE-IUL), *Dynamic and Flexible Spectrum Management: 5G Networks in shared spectrum bands*

11:30 António Raimundo and Pedro Sebastião (IT and ISCTE-IUL), *Exploring New Ways to Perform Industrial Inspections Plans using UAVs and Artificial Intelligence*

12:00 Miriam Batista and Rodrigo Cortesão (IT and ISCTE-IUL), *Wear IoT – Drone- based Wearable IoT Human Emergency System*

12:30 Workshop Lunch

14:00 Talk to be confirmed

14:30 João Gaspar, Renato Ferreira, Nuno Souto and Pedro Sebastião (IT and ISCTE-IUL), *A new way of protecting areas for unauthorized drones*

15:00 André Glória and Pedro Sebastião (IT and ISCTE-IUL), *An Approach on Sustainability using IoT and Machine Learning*

15:30 Coffee break

16:00 Jon M. Peha (CMU), *Cellular Technology and Public Safety Networks*

16:30 Emanuel Teixeira, Anderson Ramos, Marisa Lourenço, Jon M. Peha and Fernando J. Velez (IT and UBI), *Capacity/cost Trade-off for 5G small cell networks in the UHF/SHF bands*