

NEW

TECHNOLOGIES FOR
MOBILITY

24th November 2017

11th CONGRESS
PORTUGUESE COMMITTEE OF URSI
Fundação Portuguesa das Comunicações, Lisbon

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PROGRAMME

9:00 REGISTRATION

9:30 OPENING SESSION | Auditorium

- João Cadete de Matos, Chair of the Board of Directors, ANACOM
- Guilherme d'Oliveira Martins, Secretary of State for Infrastructure

PARALLEL SESSIONS

10:00 CHALLENGES OF MOBILITY | Auditorium

MODERATOR: Carlos Salema, IT

SPEAKERS:

- The future of mobility
Luís Reis, CEiiA
- Management of tangible assets in mobility infrastructure
Magno Santos, Evoleo Technologies
- MobiWise: From Mobile Sensing to the Mobility Recommendation
Miguel Luís, NAP, IT
- The spectrum and connected mobility
Jaime Afonso, ANACOM

10:00 BEST STUDENT PAPER AWARD | School of the Future

MODERATOR: António Topa, IT

SPEAKERS:

- Development of a 2G/3G/4G consumption model based on actual data
Alexandra Mourato, ISEL
- A beginner's survey of the technologies to solve 5G
Ricardo Figueiredo, UA
- DVB-T signal sensing for the LSA model in Portugal
João Alexandre Milheiro, UA
- Detection of PCI and RSI conflicts on an actual LTE network using automatic learning techniques
Rodrigo Veríssimo, IST
- Development of a geolocation platform in C# for RAN optimisation using extreme programming methodologies
Rúben Borralho, IST
- Development of QoE models (No Reference) for voice and Web Browsing based on 3G/4G radio measurements
Vera da Silva Pedras, IST

11:15 COFFEE BREAK

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PARALLEL SESSIONS

11:45 AEROSPACE MOBILITY | Auditorium

MODERATOR: João Batista, NAV Portugal

SPEAKERS:

- The challenges of spectrum regulation: a civil aviation perspective
Mário Araújo, TAP Portugal
- Integration, Security and Efficiency: radio in the aerial ecosystem of the future
Ricardo Reis, Embraer
- More volume and more efficiency, technological and safety challenges
João Esteves, Critical Software
- New challenges in the offer of satellite communications services
Ricardo Conde, EDISOFT
- Activities developed by the Air Force in relation to Unmanned Autonomous Aerial Systems
José Morgado, Portuguese Air Force

12:00 BEST STUDENT PAPER AWARD II | School of the Future

MODERATORS:

Pedro Cruz, Controlar
Tiago Morgado, Universidade de Coimbra

SPEAKERS:

- Bio-radar performance evaluation for different antenna design
Carolina Gouveia, UA
- In house development of 17GHz antennas: potentialities and difficulties
Tiago Varum, UA
- Impact of channel dynamics on residual self-interference power of full-duplex wireless systems
Luís Miguel Irio, UNL, IT
- Multisine channel optimization for RF-to-DC performance characterization
Marina Jordão, UA
- Electromagnetic "transparency" in a material with two distinct topological phases
Hafssaa Latioui, IT
- MaRla - Mobile Radiation Intensity Mapper
Yoeni Brouwer, IST

13:15 LUNCH

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14:30 COOPERATIVE TRANSPORT SYSTEMS | Auditorium

MODERATOR: Rui Camolino, ITS Portugal

SPEAKERS:

- I2V Communications to support implementation of C-ITS services
Mário Alves, Infraestruturas de Portugal
- The eCall implementation process in Portugal
Paulo Alexandre Gomes, GMV
- C-Roads Portugal Project
Daniela Carvalho, TIS
- Cooperatives and Mobility Management: from SISCOGA (Cooperative Systems of Galicia) to the present
Ramiro Martínez Rodríguez, Centro de Gestión del Tráfico del Noroeste (Spain)

15:45 COFFEE BREAK

16:00 AWARD SESSION

- Best Student Paper Award 2017
- ANACOM-URSI Portugal Award 2017
- Presentation of the winning work - ANACOM-URSI Portugal Award 2017

Rastreo de Cancro da Mama por Microondas: Validação Experimental

João Monteiro Felício, IST, IT

16:30 CLOSING SESSION

Luísa Mendes, Chair of the Portuguese Committee of URSI