

# Wireless Personal Multimedia Communications- 2019

November 24 – 27, 2019, Lisbon, Portugal

## Honorary Chairs

Maria de Lurdes Rodrigues, ISCTE-IUL<sup>1</sup>, Portugal  
 Ramjee Prasad, CGC<sup>2</sup>, AU<sup>3</sup>, Denmark  
 Shingo Ohmori, YRP<sup>4</sup> R&D Promotion Committee, Japan  
 Carlos Salema, IT<sup>5</sup>, Portugal

## General Co-Chairs

Elvino de Sousa, University of Toronto, Canada  
 Francisco Cercas, IT & ISCTE-IUL, Portugal  
 Augusto de Albuquerque, ISCTE-IUL, Portugal

## Technical Program Co-Chairs

Ana Garcia Armada, UC3M, Spain  
 António Rodrigues, IT & IST-UL, Portugal  
 Fernando J. Velez, IT & UBI, Portugal  
 Pedro Sebastião, IT & ISCTE-IUL, Portugal  
 Susana Sargento, IT & UA<sup>6</sup>, Portugal

## TPC Regional Co-chairs

Albena Mihovska, AU, Denmark (Europe and Middle East)  
 Neeli Prasad, International Technological University, USA (North/South America and Africa)  
 Shinsuke Hara, Osaka University, Japan (Asia and Oceania)

## Financial Chairs

Rodolfo Oliveira, IT & UNL<sup>7</sup>, Portugal  
 Sara Correia, IT, Portugal

## Publication Co-Chairs

Ambuj Kumar, Aarhus University, Denmark  
 Octavian Postolache, IT and ISCTE-IUL, Portugal

## Local Organization Co-Chairs

Luis Bernardo, IT and UNL, Portugal  
 Paulo Nunes, IT and ISCTE-IUL, Portugal  
 Ivo Sousa, IT and IST-UL, Portugal

## Tutorial and Special Session Co-Chairs

Adolfo Cartaxo, IT and ISCTE-IUL, Portugal  
 Rodolfo Oliveira, IT and UNL, Portugal  
 Pedro Vieira, IT and ISEL, Portugal

## Publicity Co-Chairs

Christos Massouros, UCL<sup>8</sup>, UK  
 José Sanguino, IT & IST-UL, Portugal  
 Daniel Corujo, IT & UA, Portugal

## WEB Chairs

Manuel Oliveira, ISCTE-IUL, Portugal  
 Sérgio Crisóstomo, IT & UP, Portugal  
 Rui R. Paulo, IT, Portugal

## General Secretary

Tereza Traquinas, IT, Portugal

The 22nd International Symposium on Wireless Personal Multimedia Communications (WPMC - 2019) will be held in Lisbon, Portugal, on November 24-27, 2019. The theme of this year's event is "Digital Technologies and Business Transformation", hosted by Instituto de Telecomunicações (IT) / Instituto Universitário de Lisboa (ISCTE-IUL).

The WPMC symposia series were inaugurated in 1998, as a global platform to enable collaboration in the field of wireless information. Held in Asia, Europe and America, WPMC has established itself as a unique global conference dedicated to wireless multimedia convergence, which over the last half-decade has been jointly held with the Global Wireless Summit (GWS) - the world's largest annual international conference on wireless techno-business modeling. To respond to the trend of rapid digital transformation its acceleration of business activities, processes, competencies, and models, the 22<sup>nd</sup> WPMC has merged with GWS and its related topics in a common platform for academia, industries and standardization bodies to present and discuss the various opportunities and open challenges to fully leverage the changes and promises of digital technologies and their impact in a strategic and prioritized way.

A key emphasis of this year's conferences is the borderless smart society - bridging across industries, public and private companies, universities, research labs, and other knowledge societies in exploration of the newest digital technologies and pursuing innovative ways of living, conducting business, travelling, and so forth, towards sustainable solutions for the future.

IT / ISCTE-IUL is actively involved in fundamental and applied research in telecommunications and its supporting sciences, including wireless communications, optical communications, networks and multimedia, at national/international levels. IT also fosters higher education and training, by hosting and tutoring graduate/postgraduate students.

We look forward to receiving your original, previously unpublished contributions and welcoming you to Lisbon and WPMC 2019.

## Technical Tracks

1. Spectrum Management, Cognitive Radio and Game Theory for 5G Communications.
2. Network Functions Virtualization and Software Defined Networking.
3. Control, Monitoring and Cooperative Communication Issues in Vehicular Environments, Information Theory, Channel, Joint Source Channel and Network Coding.
4. Signal Processing for Communications, Multi-antenna and Beamforming Systems.
5. Satellite and Navigation Systems.
6. Optical Radio Convergence and VLC.
7. Cryptography, Security, Jamming, Interference Techniques.
8. Image Processing, Video Compression, Coding, Multimedia and Virtual Reality.
9. Multi Business Model innovation in a World of Human Bond and Vehicular Communication.
10. Persuasive Business Models for Next Generation Communications and Future Networks.
11. Imperative Business Models for Green Technology for Society: Intelligent Systems, Sustainable Energy, eHealth, and Big Data in Cloud Environments.
12. Business Models for Non-Conventional Approaches in Health, Smart Regions and Social Science.
13. Standards for Communications and Networking.
14. Knowledge Home.
15. Technology Transfer in ICT.

## Special Sessions

A proposal for Special Sessions, Tutorials, Panel Sessions, and Round Table topics can be submitted to the special session chair before the deadlines. The session topic can be varied upon one's interest but still relate to the technical tracks.

## Important Dates

|  |                      |
|--|----------------------|
| Deadline for Special Sessions and Tutorials Proposal | June 10, 2019        |
| Deadline for Paper Submissions                       | June 10, 2019        |
| Notification of Acceptance                           | July 10, 2019        |
| Deadline for Final Manuscript Submission             | July 26, 2019        |
| Deadline for Early Registration                      | September 6, 2019    |
| Conference Dates                                     | November 24-27, 2019 |

## Paper Submissions

- 1) Prospective authors are invited to submit original full papers WITHOUT authors' names and affiliations, in English, of 4 – 6 pages in standard IEEE two-column format only, reporting their original work and results, applications, and/or implementation in one or more of the listed areas.
- 2) Papers must be submitted online only through the submission system of the conference website.
- 3) At least one author of each accepted paper MUST register and present the paper at the conference in order that the paper is to be included in the program. The program will also be submitted for inclusion in the IEEE Xplore.

IEEE XPLORE COMPLIANT Part Number: TBA IEEE XPLORE COMPLIANT ISBN: TBA

## Further Publication

Potential papers are encouraged for their extension and submit to Wireless Personal Communications Journal (indexed in Web of Science with annual impact factor), and other reputed journals such as River Publishers for further publication.

**More Information** is available at <http://www.wpmc-international-symposium.org>

**WPMC 2019** submission link: <https://edas.info/N25986>

## Acronyms:-

<sup>1</sup> ISCTE-IUL: Instituto Universitário de Lisboa, Portugal

<sup>2</sup> CGC: CTIF Global Capsule

<sup>3</sup> AU: Aarhus University, Denmark

<sup>4</sup> YRP: Yokosuka Research Park, Japan

<sup>5</sup> IT: Instituto de Telecomunicações, Portugal

<sup>6</sup> UA: Universidade de Aveiro, Portugal

<sup>7</sup> UNL: Universidade Nova de Lisboa, Portugal

<sup>8</sup> UCL: University College London, UK

