

## Fourth International Workshop on Cooperative Wireless Networks (IEEE WiMob – CWN '17)

CWN 2017 will take place in Rome, Italy on October 9-11, 2017, collocated with the 13th IEEE International Conference on Wireless and Mobile Computing, Networking and Communications (WiMob 2017).

With the rapid proliferation of wireless devices and services, the mobile Internet has experienced exponential growth in recent years, which poses potential challenges for mobile operators, especially in terms of quality of service provisioning. Cooperation in wireless network emerged as a promising strategy to improve the overall performance by resource sharing, increasing data rates and network throughput. Furthermore, cooperation has the potential to increase energy efficiency, network coverage and reliability.

The aim of this workshop is to provide a space for researchers and technologists to present new ideas and contributions in cooperative wireless networks, a key element for the advance of the Future Internet. The concept of cooperation can be applied to a wide scope of technologies, systems and applications, in order to achieve an efficient use of the spectrum (cognitive radio), extended network coverage (cooperative diversity, multi-hop relaying), improved performance and reliability (network coding, cross-layer protocols) and user safety (vehicular networks, emergency networks), among other aspects.

The organizers of this workshop invite prospective authors to submit high-quality technical papers addressing, but not limited to, the following topics of interest:

- Dynamic resource allocation in wireless cooperative networks
- Cross-layer management and protocols for cooperative networks
- Cross-layer design and optimization for cooperative networks
- Control and management in cooperative networks
- Performance analysis in cooperative networks
- Cooperative communications: multi-hop and D2D
- Cooperative diversity
- Information theory aspects of cooperation
- Power management in wireless cooperative networks
- Business models for cooperative networks
- Multimedia transmission in cooperative networks
- Cooperation in wireless nano-communications
- Cooperation in 5G networks
- Cooperation in Software Defined Networks aimed to wireless communications
- Cooperation in Wireless Sensor Networks
- Cooperation in Vehicular Wireless Networks
- Cooperation in Mobile Clouds
- Cooperative networking in User Provided Networks
- Cooperation in networks with Network Function Virtualization
- Cooperation in the Internet of Things
- Security and Privacy in Cooperative Wireless Networks
- Applications and services over cooperative networks
- Test-beds, strategies and experimentation on cooperative networks

### WORKSHOP CHAIRS

- Cristina López Bravo, AtlantTic, Universidade de Vigo, Spain
- Beatriz Lorenzo, AtlantTic, Universidade de Vigo, Spain
- Felipe García Sánchez, Universidad Politécnica de Cartagena, Spain
- Antonio Javier García Sánchez, Universidad Politécnica de Cartagena, Spain

## TECHNICAL PROGRAM COMMITTEE

- Felipe Gil Castiñeira, Universidade de Vigo, Spain
- Francisco Javier González Castaño, Universidade de Vigo, Spain
- Juan Carlos Burguillo Rial, Universidade de Vigo, Spain
- Felipe Gómez Cuba, Universidade de Vigo, Spain
- Rafael Asorey Cacheda, Centro Universitario de la Defensa, Marín, Spain
- Hong Huang, New Mexico State University, USA
- Pekka Pirinen, Centre for Wireless Communications, University of Oulu, Finland
- Evangelos Papapetrou, University of Ioannina, Greece
- Usama Mohamad, University of Kassel, Germany
- Elias Yaacoub, IEEE Senior Member, Lebanon
- Paolo Giaccone, Politecnico di Torino, Italy
- Claudio Rossi, Istituto Superiore Mario Boella, Italy
- Esteban Egea López, Universidad Politécnica de Cartagena, Spain
- Juan José Alcaraz Espín, Universidad Politécnica de Cartagena, Spain
- David Rodenas Herraiz, Computer Laboratory, University of Cambridge, UK
- Juan Bautista Tomás Gabarrón, Peranoid, Spain
- Pawel Kulakowski, AGH University of Science and Technology, Poland
- Carlo Giannelli, University of Bologna, Italy
- Ved P. Kafle, National Institute of Information and Communications Technology (NICT), Japan
- Jose Miguel Villalón Millán, University of Castilla-La Mancha, Spain
- Usman Raza, University of Trento, Italy
- Laura Galluccio, University of Catania, Italy
- Sofiene Tahar, Concordia University, Canada
- Mohamed Hadi Habaebi, International Islamic University Malaysia
- Jesus Arnau, France Research Center, Huawei Technologies Co., Ltd
- Diego Alberto Godoy, Centro de Investigación en Tecnologías de la Información y Comunicaciones, Universidad Gastón Dachary, Argentina
- Eduardo Omar Sosa, Universidad Nacional de Misiones, Argentina
- Jinsong Wu, Department of Electrical Engineering, Universidad de Chile, Chile
- Luca Sanguinetti, University of Pisa, Italy
- José A. García-Naya, Universidade da Coruña, Spain
- Adriana Dapena, Universidade da Coruña, Spain
- Rubén Martínez Sandoval, Universidad Politécnica de Cartagena, Spain

## DATES

- Submission deadline: June 30, 2017;
- Notification of acceptance: July 31, 2017;
- Camera ready paper: September 1, 2017;

## SUBMISSION GUIDELINES

All accepted papers will be published in the WiMob 2017 Proceedings, and will be submitted for inclusion in IEEE Digital Xplore. Authors are required to submit fully formatted papers (PDF), with graphs, images, and other special areas arranged as intended for the final publication. Papers should be written in English conforming to the IEEE standard conference format (8.5" x 11" - US letter, Two-Column). The final manuscript for publication will be limited to 8 IEEE pages (minimum 10-point font). All submissions must be made through [EDAS](#). You can have more information in the "[Author guidelines](#)" section in the conference website.

## FOR MORE INFORMATION

<http://cwn2017.uvigo.es/>