WMNC 2021

13th IFIP Wireless and Mobile Networking Conference
October 20 – 22, 2021
Montreal, Canada (Online)

IFIP WMNC 2021 will provide a discussion forum for researchers, practitioners, and students interested in novel developments in mobile and wireless networks, services, and applications and mobile computing.

IFIP WMNC combines PWC (Personal Wireless Communications conference), MWCN (Mobile and Wireless Communication Networks conference), and WSAN (Wireless Sensors and Actor Networks conference) into one event. It is Technically Sponsored by IFIP.

Accepted papers will be published in the IFIP Digital Library.

Authors of selected papers will be invited to submit an extended version for a fast-track review in a Special Issue of Annals of Telecommunications.

Authors are invited to submit full papers (up to 8 pages, double column) according to the guidelines available on the conference website at Authors Guidelines. WMNC 2021 includes three tacks focusing on (but not limited to) the following topics:

General Chairs
Mohamed Faten Zhani (ETS Montreal, Canada)
Leila Azouz Saidane (ENSI, Tunisia)

TPC Chairs
Aris Leivadeas (ETS Montreal, Canada)
Weverton Cordeiro (UFRGS, Brazil)
Eirini Eleni Tsiropoulou (University of New Mexico Albuquerque, USA)

Track 1: Wireless and Mobile Communications and Networks, Internet Wireless Access.

➢ Wireless and Mobile Communications and networks
➢ 5G / 6G Networks
➢ Wireless technologies design and evaluation
➢ Handoff management
➢ Location management
➢ Resource management
➢ Network and service management and control
➢ Energy management and efficiency of protocols and devices
➢ Cognitive radio networking
➢ Device-to-device communications
➢ Routing and scheduling in mobile and wireless networks
➢ Transport layer issues in mobile and wireless networks
➢ Network security solutions and protocols
➢ Subscriber privacy
➢ Authentication, Authorization, Accounting
➢ Traffic and network modeling
➢ Analysis and simulation in wireless/mobile networks
➢ Virtualized and cloud-based wireless environment

Track 2: Wireless Sensor and Actor Networks, Ad hoc and Opportunistic Networks, Vehicular Networks, Internet of Things

➢ Wireless Sensor and Actuator Networks
➢ Ad hoc and Opportunistic Networks
➢ Low-Power Wide Area Networks
➢ Vehicular Networks Cyber-Physical
➢ Machine to Machine communications (M2M)
➢ Communication Technologies for the IoT
➢ Ad-Hoc networking
➢ Delay tolerant networking
➢ Cross layer design and optimization
➢ In-network processing and aggregation of information
➢ Energy efficient protocols and power management
➢ Localization and tracking
➢ Middleware for WSN and M2M
➢ Self-organization and reconfiguration
➢ Security for WSN and M2M
➢ Multimedia communications in WSN
➢ Vehicular networks
➢ Robots as actor networks
➢ Nano networks
➢ Fog Networking

Track 3: Applications and Services over Wireless and Mobile Networks

➢ Applications and Services over Wireless and Mobile Networks
➢ Wireless multimedia networking
➢ Mobile cloud computing and applications
➢ Multicasting and broadcasting issues
➢ Multimedia session signalling in wireless/mobile environments
➢ Digital radio and TV broadcasting
➢ Mobile computing
➢ Protocols and platforms for convergence
➢ QoS and QoE in wireless/mobile networks
➢ Mobile and wireless applications: health, environmental protection, etc.
➢ Wireless Internet applications
➢ ITS (Intelligent transportation systems)
➢ Infotainment
➢ Pervasive systems
➢ RFID
➢ Location based services
➢ Mobile services
➢ Content management and distribution
➢ Context-aware wireless multimedia applications
➢ Context-aware services
➢ Information centric networking
➢ Social networking

Submission Instructions

Submissions should be original, previously unpublished work not currently under review by other conferences or publications. Only PDF files will be accepted for the review process and all submissions must be done electronically through EDAS at https://wmnc2021.edas.info/

Full Paper – maximum length of 8 pages (10-point font) including tables, figures and references.
Short Paper – minimum length of 3 pages (10-point font) including tables, figures and references.

You will find instructions and additional information on our web site at https://wmnc2021.dnac.org/