

European Wireless (EW) is a key venue for European and worldwide researchers to be acquainted with the latest trends in wireless communications and networking. The 24th edition of EW (EW 2018) will be held in Catania, Italy, **from May 2 to May 4**. The main theme of EW 2018 is **“Wireless Futures in the Era of Network Programmability”**. Topics of interest include, but are not limited to, the following.

Communications

- Fundamental limits, information and communication theory for wireless
- Modulation & coding: MIMO, joint source/channel coding, distributed coding, cooperation, network coding
- Multiple access: NOMA, multiuser detection, spectrum sensing, parameter estimation
- Interference mitigation and management, localization and positioning, error protection
- Near-field, ultra-wideband, millimeter-wave, visible-light, wired-wireless integration
- Implementation and testbed: Antennas, RF modeling and design, practical and experimental systems
- Energy: Green communications, energy harvesting devices, renewable energy, wireless power transfer
- Optimization and resource allocation
- Emerging and disruptive concepts for wireless: Artificial intelligence, machine learning, deep learning, neural networks, big data analytics, information processing

Networking

- Wireless sensors and actuators, heterogeneous, vehicular, cellular, wireless ad-hoc, mesh networks
- Protocols, architectures, quality of service and experience, resource allocation, topology control, self-organizing
- Implementation: Low-cost radio, full-duplex, scalable, sustainable, low-complexity systems
- Applications: Mobile apps and platforms, emerging applications in wireless networks
- Reliability and security: Privacy and trust in wireless networks, robust and dependable wireless systems

Thematic EW 2018: Wireless Future in the Era of Network Programmability

- Network programmability for wireless: Software defined networking, network function virtualization, mobile edge computing, network slicing, distributed caching, multi-tenancy, cloud computing
- Tactile internet, ultra-low latency communications, ultra-reliable communications
- Internet of Things, machine-type communications, Industry 4.0
- Industry views on future wireless networks: Small-medium enterprises, manufacturers, operators and service providers, business developing for different markets, over-the-top service providers, vertical markets
- Regional visions, requirements and development of future wireless networks
- Applications and services: Development, implementation, validation, testbeds, integration, convergence

EW 2018 is committed to the highest publication and ethical standards through a rigorous single-blind peer-review process. Submitted manuscripts must be original and not be published or under review elsewhere. Papers must not infringe any copyright or third party right. The proceedings of EW 2018 will be published and will be made available on **IEEE Xplore**. Authors of selected papers will be invited to submit an extended journal version of their accepted papers to a special issue of **Wiley Transactions on Emerging Telecommunications Technologies**.

Important Dates

Paper submission: February 1, 2018

Notification of acceptance: March 10, 2018

Camera ready due: March 17, 2018

General Co-Chairs: Sergio Palazzo (University of Catania, Italy), Laura Galluccio (University of Catania, Italy)

Technical Program Co-Chairs: Marco Di Renzo (CNRS / Paris-Saclay University, France), Luca Sanguinetti (University of Pisa, Italy), and Daniel Lucani (Aarhus University, Denmark)