



The **European Wireless (EW)** conference is a key venue for European researchers to get in touch with the latest trends in wireless communications and networking. The 22nd EW conference will take place in Oulu, Finland, organized by Centre for Wireless Communications (CWC), the university-based research unit operating within the University of Oulu. The main topic of EW 2016 will be **"5G: Applications, Businesses and Technologies"**.

FW Fundamental Wireless

Modulation and coding for **wireless** communications
Signal processing for **wireless** communications
Wireless models, synchronization, estimation, equalization
MIMO systems, space-time coding, diversity
Fundamental limits, information theory for **wireless**
Multiple access schemes, multiuser detection
Interference mitigation and management
Distributed coding and cooperative diversity
Localization and positioning in **wireless** systems
Source and joint source/channel coding
Spectrum sensing and **wireless** parameter estimation

TW Technology for Wireless

Migration, integration, and convergence towards 5G
WiFi, LTE, 3GPP, Heterogeneous Networks
Wireless LAN/PAN/BAN, Ad Hoc, Mesh networks
Near-field communications & RFID
Wired-**wireless** integration
Ultra-Wideband Communications
Mm-wave communications
Wireless sensors & actuators networks
Vehicular and disruption tolerant **wireless** networks
Optical **wireless** and visible light communications

EW Efficient Wireless

Power: green communications, energy harvesting devices
Spectrum: cognitive radio, spectrum-aware techniques
Implementation: low-complexity and scalable systems
Reliability: robust and dependable **wireless** systems
Cost: low-cost radio, sustainable **wireless**
Security: privacy and trust in **wireless** networks

AW Advanced Wireless

Protocols and architectures for **wireless** networks
Channel coding, error protection, network coding
Cross-layer issues in **wireless** networks
Cognitive radio for **wireless** communications
Network functions virtualization
Compressed sensing

QoS and resource allocation in **wireless** networks
Mobile/**wireless** networks modeling and simulation
Localization and positioning in **wireless** scenarios
Optimization and game theory for **wireless**
Topology control, self-organizing **wireless** networks
Transport layer for **wireless** communications
Relays and buffers in **wireless** networks
Tools for modeling and analysis of **wireless** systems
Mobile edge clouds

PW Practical Wireless

Implementation issues in **wireless** systems
Testbeds and experimental systems
Antenna and RF modeling and design
Mobility management and billing technologies
Mobile apps and platforms
Regulation and standardization for **wireless**
Context awareness
Emerging applications in **wireless** networks

VW Vision for Wireless

Personal **wireless** communications beyond 5G
Software defined **wireless** networks and re-configurability
M2M communications and the Internet of Things (IoT)
Storage, smart caching, and cloud for **wireless**
Wireless social networks, participatory computing
Molecular and nano-scale **wireless** communications
New disruptive concepts for **wireless** systems
Concepts and technologies for massive IoT

TW Thematic Wireless for EW2016

5G: Applications, Businesses and Technologies

Applications and services for 5G: Development, Implementation and Validation
Business developing for 5G for different markets
Regional visions, requirements and development of 5G (Europe, Asia, America)
5G test-beds
Novel enabling technologies and concepts for 5G
Industry views of 5G: SME, manufacturers, operators and service providers

The **EW** conference is committed to high publication ethics standards through a rigorous single-blind peer-review process. Submitted manuscripts must be original and not published or under consideration elsewhere. They must not infringe any copyright or third party right. Proceedings of **EW** 2016 will be available on IEEEXplore and Scopus (approval pending). Authors of selected papers will be invited to submit a journal extended version for a special issue of Wiley Transactions on Emerging Telecommunications Technologies.

Authors of selected papers will be invited to submit extended journal versions of their papers for consideration for publication in a Special Issue in Infocommunications Journal.

Important dates

Paper submission: **February 15, 2016**
Notification of acceptance: **March 22, 2016**
Camera ready due: **March 29, 2016**