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

**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 position 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

**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
- Novelties 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 IEEE Xplore 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