

**VERONA, ITALY
MAY 6-8, 2020**

**EUROPEAN
WIRELESS
2020**

CALL FOR SPECIAL SESSION PAPERS “Tactile Internet”

The Tactile Internet will democratize the access to skills and expertise the same way the Internet democratized the access to information. The Tactile Internet will allow mutual learning strategies between human and machines. In order to realize this idea, novel technologies are needed.

The European Wireless 2020 special session cordially invites researchers to share latest research insights and present key and emerging results on the Tactile Internet enablers, including novel networking protocols, wireless techniques, new hardware designs, novel data processing, low latency and reliable communication networks, haptic codecs, human based multimodal feedback strategies, as well as sensors and actuators. Technical papers describing recent research results and controversial but substantiated opinions that may influence the direction of future R&D work are solicited. Besides paper submissions the special session encourages researchers to submit demonstrator works to show case Tactile Internet applications

Topics of interest for the special session include, but are not limited to:

- **Communication Technologies**
 - Edge-computing and network slicing
 - Network function virtualization and software defined networks
 - Service Chaining Function
 - Low-latency and high-availability protocol design
 - Novel physical layer techniques
 - Novel architecture design
 - Multi-model service support across networks
- **Application and Platforms**
 - Tactile Internet use-cases and scenarios (medical, industry, consumer, ...)
 - Cyber physical systems such as robotics
 - Industrial communication systems
 - Prototypes, test-beds, and demos
 - Silicon systems and hardware revolutions
 - Tactile Internet standardization
- **Information Processing**
 - Digitizing tactile signals
 - Tactile codecs design
 - Compress Sensing for Human Machine Interaction
 - Machine Learning for Human Machine Interaction
 - Network Coding for Human Machine Interaction
 - Error-resilient and low latency data handling

The papers of this special session will go through the same rigorous single-blind peer-review process of the main conference. Submitted manuscripts must be original and not be published or under review elsewhere.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 2020 will be published and will be made available on IEEE Xplore.

Submission link: <https://edas.info/newPaper.php?c=26840&track=100886>

Deadlines:

Deadline for special session papers submission: February 28, 2020

Acceptance/rejection announcement: March 27, 2020

Final papers due: April 10, 2020

Special Session Organizers:

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