



Call for Papers

Special issue on

Innovative Concepts, Circuits, and Materials in Wireless Technology

Journal of Communications Software and Systems (JCOMSS)

Wireless technology and applications are continuing a steady growth, yet the unresolved technological challenges instigate further research and development in all segments of the anticipated applications. Besides the widely adopted wireless networks, two niches that carry a potential for significant breakthroughs are wearable electronics and circuits for biomedical applications. There is a great interest for innovative ideas and circuits in energy harvesting, conversion, and storage, miniaturization of RF- and microwave- components, robust and flexible materials, sensor technologies, wearable, and implantable antennas and biocompatible electromagnetic devices. This Special Issue also encourages contributions describing applications of additive manufacturing and addressing new challenges and alternatives on pervasive wireless technologies and biomedical systems for healthcare. High-quality, original, unpublished contributions will be considered for the issue.

Guest Editorial Team:

Prof. Miroslav Joler, University of Rijeka, mjoler@riteh.hr

Prof. G. Andrea Casula, University of Cagliari, a.casula@diee.unica.it

Topics include, but are not limited to the following:

- Wearable Antenna Design
- Wearable Sensors and Transducers
- Small Form-factor Low-power RF Transceivers
- Energy Harvesting, Conversion, and Storage in Wearable Scenarios
- Innovative Materials
- 5G & 6G Circuits
- 3D-printed Circuits and Metamaterials and New Techniques for Additive Manufacturing
- Antennas and Circuits for Biomedical Applications
- Wireless Sensing Technologies and Pervasive Edge Computing
- Smart Digital Health Systems and Remote Control Enabled by Ultra-fast Radiocommunications
- Electromagnetic Energy Scavenging in Pervasive Healthcare Environments
- Biodegradable and Biocompatible Antennas and Wireless Sensors
- Non-obtrusive Wireless Body-area Networks for Wellness
- Robust On-body Communication Circuits
- Computing and distributed body area networks

Note: An earlier notification of intent to submit a proposal would be appreciated.

IMPORTANT DATES	
Submissions due	September 15, 2023
Notification of acceptance by	November 1, 2023
Online publication by	Immediately after acceptance
Issue published	December, 2023

Authors who intend to submit their paper(s) for this Special Issue (SI) should prepare the manuscript according to the Author Guidelines (<https://jcoms.fesb.unist.hr/author-guidelines/>) and submit it by pressing SUBMIT AN ARTICLE. Submissions must be original and should not have been previously published or been under consideration for publication anywhere else while being evaluated for this SI. Only the papers authored without AE's name will be required to pay an article processing charge of 250 EUR after the article has been accepted for publication.

Journal of Communications Software and Systems (JCOMSS) is the peer reviewed **open access journal** offering to authors a quick dissemination of the published articles, since the whole research community can freely access the valuable scientific information. The accepted papers are electronically published at the journal website shortly after acceptance. JCOMSS is an all-electronic processing journal offering typically **one-month window** for the final decision about publishing for well prepared regular papers that are accepted after one round of review. JCOMSS is indexed in Emerging Sources Citation Index - Web of Science, Scopus, EBSCO, Inspec, Google Scholar, CrossRef, and DOAJ.

More information about the JCOMSS including details on the submission process and authors kit is available on the website:

<https://jcoms.fesb.unist.hr/>