



**15<sup>th</sup>** International Conference on Advanced Technologies,  
Systems and Services in Telecommunications

**TELSIKS  
2021**



Serbia, Niš, October 20 - 22, 2021



## Call for Papers *TELSIKS 2021 Special Session:* **Bioelectronic Applications of RF and Microwaves**

Bioelectronics is an interdisciplinary field that integrates electronics and life sciences for the benefit of mankind. The origin of the bioelectronics can be dated back to the experiments of the Italian anatomist and physician Luigi Galvani in the second half of the 18th century. Throughout the years, bioelectronics has greatly evolved and nowadays is experiencing a tremendous growth, driven by an explosive proliferation of bioelectronic applications, among which the implantable cardiac pacemaker can be cited as the classical example. In this dynamic and exciting scenario, the continuous progress in RF and microwave engineering plays a key role in enabling the everlasting growth of bioelectronic applications. This is because the amazing features of the high-frequency technologies allow opening new frontiers in the development of the bioelectronics. The objective of this special session is, therefore, to provide a platform to present and discuss recent advancements in the characterization, modeling, and design of RF and microwave devices, circuits, and systems oriented to bioelectronic applications, going from diagnostic to therapeutic purposes.

To submit contributions to the special session, authors should follow the paper submission guidelines of regular papers. Note that papers submitted to the special session will undergo the same review process as regular papers and will be published in conference proceedings and IEEE Xplore.

The due date for paper submission is **June 15, 2021**

Due to Covid-19 travel restrictions, the session will be conducted virtually

For further information, please visit the conference website at: [www.telsiks.org.rs](http://www.telsiks.org.rs)

If you have any question, please contact us at the following addresses:

### Special Session Chairs



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