

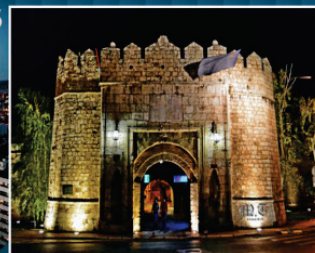


14th International Conference on Advanced Technologies,
Systems and Services in Telecommunications

TELSIKS
2019



Serbia, Niš, October 23 - 25, 2019



Call for Papers TELSIKS 2021 Special Session: **Stochastic Electromagnetic Fields**

Stochastic electromagnetic fields play an important role in wireless communications, electromagnetic interference and electromagnetic metrology. Accurate characterization and modeling techniques for stochastic electromagnetic fields are essential to evaluate electromagnetic compatibility and system integrity in electronic product design. Correlation analysis of EM fields and pertaining signals is also crucial in electromagnetic imaging and radar sensing. Uncertainties in geometrical properties or variation of the dielectric properties of environmental structures or devices under test themselves determine solutions of the electromagnetic field.

This session is dedicated to analytical and numerical techniques which address statistical variations in either the field quantities themselves or in the geometry of the environmental electromagnetic structures. Modeling and analysis techniques for electromagnetic field problems are considered pertaining to topical areas such as:

- Stochastic electromagnetic fields
- Modeling of parameter uncertainties
- Stationary and/or cyclostationary noisy fields

Methods based on correlation analysis and statistical properties of the field, the field sources or the boundary conditions are of interest. This includes analysis techniques for electromagnetic field modeling in electromagnetic interference and compatibility assessment, in wireless communication, and sensing and imaging problems. Techniques for scenarios with consideration of classical electromagnetic fields as well as for quantized electromagnetic fields are of interest.

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

The due date for paper submission is **July 9, 2021**

For further information, please visit the conference website at: www.telsiks.org.rs

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

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