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IEEE Electromagnetic
Compatibility Croatia
Chapter



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14th International Conference on Software, Telecommunications and Computer Networks SoftCOM 2006

September 29 – October 1, 2006
Split – Dubrovnik

Symposium on

ELECTROMAGNETIC COMPATIBILITY: ENVIRONMENTAL AND SAFETY ASPECTS

Call for Papers

The rapid growth of the cellular telecommunication industry has resulted in an increasing number of various transmitting installations, particularly GSM and UMTS base stations, and the related influence on human health has recently become a very hot and controversial issue. While the message or data-handling processes and computational capability are necessary aspects of mobile and wireless communication systems, the intensity and form of transmitted electromagnetic energy is of great interest to biological researchers. The aims of the Symposium are not only related to the modeling of natural electromagnetic interference (EMI) sources, such as lightning, and analysis and design of lightning protection systems (LPS), but also to the optimisation of the design of radiation sources design by taking into account the safety aspects regarding human health and quality of services (QoS).

We cordially invite speakers to present their original contributions to the following topics:

- * Sources of Electromagnetic Interference
- * Lightning channel modeling
- * Lightning protection systems
- * Grounding
- * Modeling and Measurement of Antennas for Mobile Communications
- * Theoretical and Experimental Electromagnetic Field Dosimetry
- * Advanced Numerical Methods in Incident and Internal Field Dosimetry
- * Propagation Through Biological Media
- * Electromagnetic Modeling of the Human Body
- * Thermal response of the Human Body
- * Biological Effects of Electromagnetic Fields
- * Human and Epidemiological Studies
- * Occupational Electromagnetic Field Safety and Health
- * Interference with Medical Devices
- * Optimization Algorithms for Radio Frequency Radiation Sources
- * Dosimetric Studies for Base Stations and Mobile Phones
- * Safety standards and Exposure Limits
- * Shields for Mobile Units and other Protective Measures
- * Regulatory Activities and Safety trends

Authors of the selected best papers will be invited to submit an extended and revised version of their manuscripts for possible publication in a special issue of the Journal of Communications Software and Systems (JCOMSS).

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COMMUNICATIONS
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IMPORTANT DATES

Complete manuscript due	July 01, 2006
Notification of acceptance	Aug. 01, 2006
Camera-ready manuscript	Sept. 01, 2006

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

<http://www.fesb.hr/SoftCOM>

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