

EMC EUROPE WORKSHOP

Materials in EMC Applications

Athens, 11-12 June 2009

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Important Dates

~~Abstract submission*: 16/01/2009~~
- Abstract submission*: 27/01/2009
- Notification of acceptance: 20/02/2009
- 4-page final paper submission: 20/03/2009
- Early registration: 20/03/2009

*at least a full page abstract (not longer than two pages) containing sufficient detail to judge the quality and importance of the contribution

CALL FOR PAPERS

Aim of the Workshop

In recent years, the need to make more compact designs and to operate at increasingly higher frequencies has required innovations in design and a more intelligent use of materials. Examples are the use of carbon fibre composites (CFCs) in vehicle manufacture in order to reduce weight and the impact of this development on reduced shielding and electromagnetic design in general. At the other end of the scale, meta- and nano- materials are discussed as possible candidates for reducing cross-talk in compact designs. New absorbing materials are being developed for use in EMC applications.

The scope of this Workshop encompasses all these areas. The key criterion for inclusion in the Workshop is that an EMC application is addressed. Abstracts should therefore make clear the EMC relevance of the contribution.

The aims of this workshop are:

- To present progress in the development, analysis and application of materials in EMC applications
- To discuss ways that materials can be used in innovative ways in EMC design to reduce coupling and improve electromagnetic shielding
- To discuss new measuring and test techniques and methodologies for characterizing new materials and their application in the EMC domain
- To discuss the possibilities offered by new materials in the design of more sensitive probes and antennas
- To bring together industry, government, users and universities to share experiences in these important areas and to identify topics for further development in the future.

Topics

- Left Hand Materials (LHM) for shielding and absorption
- Use of LHM to achieve higher sensitivity of small probes and antennas
- Nanotechnology application in the EMC domain
- Other new technologies for shielding and absorption
- Ferrites in high frequency applications
- Ferrites for low frequency and high-current applications
- Textiles, sheets and films for shielding
- Conductive textiles
- Frequency dependent surfaces
- Electromagnetic properties of composite materials
- Material and component characterization and measurement methods
- Material and component modelling and simulation techniques



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For more information please visit: <http://emceurope2009.iccs.gr>