

## Symposium on New Trends in EMI Characterization

Electromagnetic interference (EMI) can deteriorate performance of electric and electronic devices. Accurate characterization of conducted and radiated EMI is a key aspect for the design and development of electric and electronic systems and devices.

In this symposium, experts from industry and academia will introduce and discuss state of the art and future developments for the experimental characterization of EMI and aspects for modeling techniques.

**Date and Venue: Tuesday, May 16th, 2017, room [N1812](#)**

at the Technical University of Munich, Building N8, Theresienstr. 90, 80333 München.

### Schedule:

|                   |  |
|-------------------|--|
| 12:30pm - 1:00pm  | <b>Registration</b>  |
| 1:00pm - 1:05pm   | <b>Welcome</b> (J. Russer)   |
|                   | <b>Session 1</b> (chair: J. Russer)  |
| 1:05pm - 1:40pm   | <i>Application of Wave Digital Approach to Electromagnetic Structure Modeling and Analysis.</i><br>(Biljana Stošić, Nebojša Dončov, University of Niš, Serbia)   |
| 1:40pm - 2:10pm   | <i>Flexible Dielectric Waveguide for Millimeter Waves – Design and Applications.</i><br>(Martin Graßl, Hans-Ulrich Nickel, Janno Zovo, Spinner GmbH)   |
| 2:10pm - 2:40pm   | <i>Efficient Modelling of Thin Electromagnetic Materials by using Digital Filter-Based TLM Method.</i><br>(Miloš Kostić, Nebojša Dončov, University of Niš, Serbia)                                    |
| 2:40pm - 3:00pm   | <b>Coffee Break</b>  |
| 3:00pm - 3:30pm   | <i>Use of FFT-Based Measuring Receiver for EMI Compliance Measurements.</i><br>(Jens Medler, Rohde & Schwarz GmbH & Co. KG)  |
|                   | <b>Session 2</b> (chair: H.-U. Nickel)   |
| 3:30pm - 4:00pm   | <i>Interference Task for Electronics.</i><br>(Susanne Hipp, Andreas Barchanski, CST AG)  |
| 4:00pm - 4:30pm   | <i>Multiphysikalische Simulation bewegter Datenleitungen.</i><br>(M. Raum <sup>†</sup> , T. Ehlenz <sup>‡</sup> , G. Fischer <sup>†</sup> , <sup>†</sup> FAU Erlangen-Nürnberg, <sup>‡</sup> HS Trier) |
| 4:30pm - 4:50pm   | <b>Coffee Break</b>  |
| 4:50pm - 5:15pm   | <i>Analysis of Cyclostationary Stochastic EM Fields.</i><br>(Johannes Russer, Technische Universität München)  |
| 5:15pm - 5:40pm   | <i>Numerical Modeling of Stochastic Electromagnetic Fields using CST Microwave Studio.</i><br>(Michael Haider, Johannes Russer, Technische Universität München)  |
| 5:40pm - open end | Discussion, lab tour, and demonstrations.  |

**Advance registration is requested under this [link](#)  
till Sunday, May 14th, 2017 (free of charge)**



Organized by the  
**Arbeitskreis für Mikrowellen- und Kommunikationstechnik e.V.**  
with support of GEROTRON COMMUNICATION GmbH.

### Organization Committee:

Dr. Johannes Russer (Dept. of Electrical and Computer Engineering, Technical University of Munich),  
Mr. Georg Schmidt (GEROTRON COMMUNICATION GmbH),  
Prof. Christian Jirauschek (Dept. of Electrical and Computer Engineering, Technical University of Munich),  
Prof. Giuseppe Scarpa (Managing Director of AKMK e.V.)

### Goldponsors:

