

EMC Professional Talk

Prof. Dr.-Ing.

David Pommerenke

**Institute of Electronics, Graz University of
Technology**

“Near field EM measurement techniques: Abilities and Limits Part II”

The first part of the talk covered mainly EMI scanning. The second part will add two aspects to the EMI section: Obtaining optimal SNR in near field scanning and more aspects on near to far field transformation. However, majority of the talk will cover ESD related scanning techniques such as:

- ESD susceptibility scanning, a method to identify the root cause of an ESD soft failure
- ESD current spreading, a method to visualize the current flow after an ESD discharge

The last section will explain resonances scanning, a method to visualize structural resonances in a system.

15.03.2021, 16:00 Uhr

**Zoom: <https://ovgu.zoom.us/j/92003900283>
Meeting-ID: 920 0390 0283 Passwort: 008922**

The slides will be provided on demand after the meeting:

<http://sites.ieee.org/germany-emc/contact-us/>

Informations about the speaker:

David Pommerenke received his PhD at the Technical University in Berlin. He joint HP in Roseville CA for 5 years performing EMC research and then joint the EMC laboratory of the Missouri University of S&T in Rolla, MO. Here he was associated chair. In 2020 he moved to Graz University of Technology, the EMC laboratory at the Institute of Electronics. His research interest is ESD, EMC and instrumentation and measurements he has published more than 150 journal papers related to these topics.

Organisation:

Dr.-Ing. Miroslav Kotzev, Rosenberger Hochfrequenztechnik GmbH
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