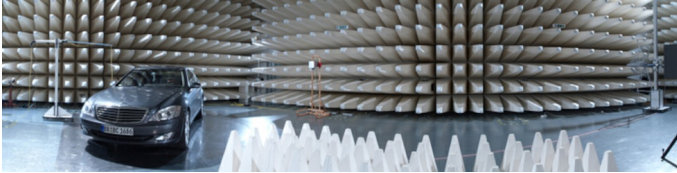


CHAIR OF ELECTROMAGNETIC COMPATIBILITY



Research

The **analysis** of complex systems and **development** of new methods of measurement to guarantee and evaluate all aspects **EMC** are the general fields of research of the chair.

The following overview provides an insight into the research foci of the chair.

EMC-Analysis und Modelling of Complex Systems

- ▶ Analysis of coupling of EM-fields into systems und cable structures
- ▶ Modeling of in-system-coupling
- ▶ Coupling into components

EMC-Measurement

- ▶ Application of reverberation chambers
- ▶ Stochastic modeling of devices
- ▶ Requirements on measurements above 1 GHz

Development of new EMC-Standards

- ▶ In situ measurements for large objects
- ▶ Device monitoring for EMC measurements
- ▶ Stochastic modelling and testing of EMC of complex systems

Modelling of Power-Quality-Phenomena

- ▶ Voltage-dependent behaviour of non-linear equipment
- ▶ Interaction of harmonic sources

Secretariat

Janet Morscheck

Building 09 - Room 226

Tel.: 0391-67-58868

Fax: 0391-67-41236

✉ janet.morscheck@ovgu.de

Chairholder

Prof. Dr.-Ing. Ralf Vick

Building 09 - Room 227

Tel.: 0391 67-58498

Fax: 0391 67-11236

✉ ralf.vick@ovgu.de

> Portrait & Portfolio

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