

## Registration

The registration fee is €80 and €72 for VDE members, respectively. The fee includes participation and catering. The fee does not include costs of accommodation, arrival and departure.

[www.vde.com/mrsafety](http://www.vde.com/mrsafety)

Cancellation is free up to 14 days before the event. After that the registration fee will be charged.

## Venue

VDE-House  
Room "Ohm"  
Stresemannallee 15  
60596 Frankfurt am Main

The entry is at Schreyerstraße

## Organizer and Contact

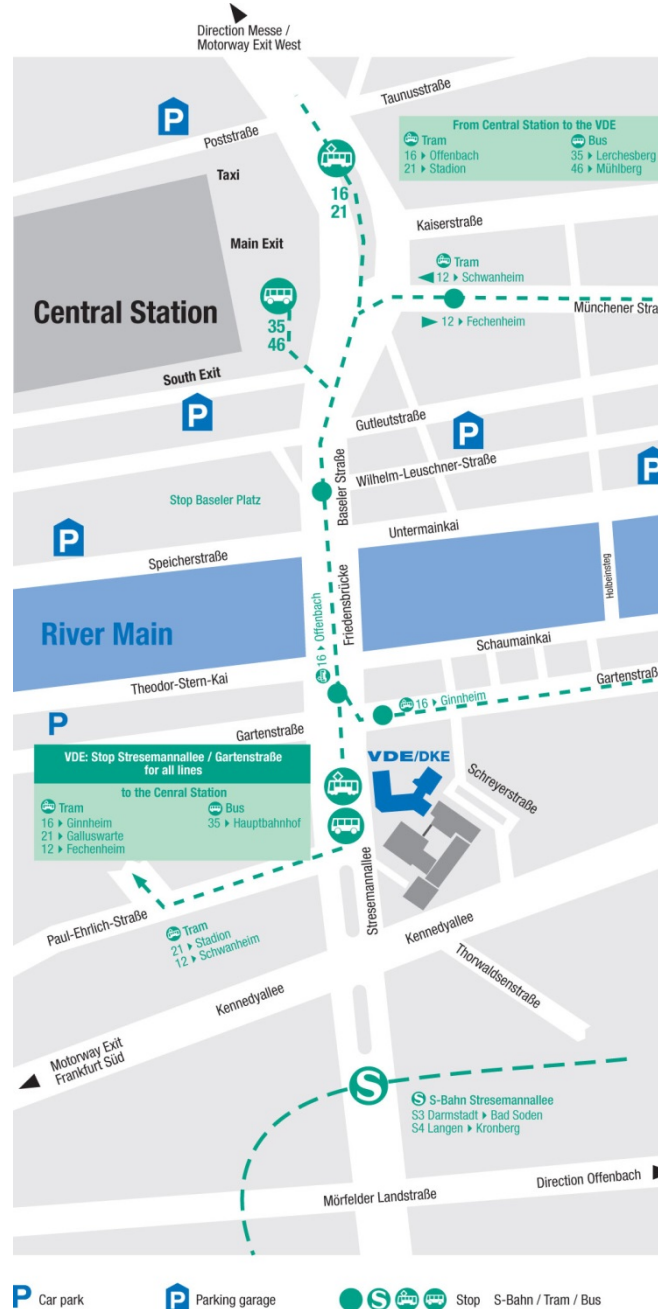
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Further information at: [www.vde.com/dgbmt](http://www.vde.com/dgbmt)

## How to get there



## Focus-Workshop

# MR Safety and Compatibility

- Regulatory Issues and Standards
- Implementation by Manufacturers
- Clinical Application

07.11.2017

Frankfurt / Main

DGBMT

VDE

## MR Safety and Compatibility

Diagnostic magnetic resonance imaging (MR) is an imaging method with a broad spectrum of clinical application. It is well established in medical care and is considered to be very safe. However, the magnetic fields can cause side effects, such as nausea, dizziness, phosphenes (light flashes) or a metallic taste. Significantly more dangerous, however, may be interactions with medical devices that are in, on, or in the immediate vicinity of the body during MR scans. Examples are:

- Vascular implants (e.g. stents, clips, coils, valves)
- Orthopedic implants and devices (e.g. hip prostheses, nails, wires, fixation systems)
- Active implants (e.g. pacemakers, neurostimulators, infusion pumps, pressure sensors)
- Surgical/interventional instruments (e.g. scissors, guidewires, manipulators) or
- Medical electrical devices (e.g. pulse oximeters, anaesthesia and monitoring equipment, injectors, ventilators, robotic systems).

In our workshop, three experts will discuss the current state of research, regulation, implementation and clinical application in the field of MR safety and compatibility from different perspectives. Practical examples will clarify which approaches to MR safety lead to the highest level of patient safety, applicable for both, manufacturers and users of medical devices. Changes due to the continuous technological progress in MR procedures are also discussed.

This exclusive event offers a limited number of participants a direct contact to our experts and sufficient space for discussion. We are looking forward to meeting you in Frankfurt am Main.

## Program

13:30	<i>Registration</i>
14:00	<b>Welcome and Introduction</b> Dr. Cord Schlötelburg, DGBMT in the VDE
14:15	<b>MR Safety and Compatibility: Regulatory Issues and Standards</b> Gregor Schaefers, Gelsenkirchen Geschäftsführer, MR:comp GmbH <ul style="list-style-type: none"> <li>• <i>Interactions of items within the MR environment</i></li> <li>• <i>Current standards, guidance and MR testing methods</i></li> <li>• <i>MR labeling for the MR environment</i></li> </ul>
14:45	<i>Discussion</i>
15:00	<b>MR Safety and Compatibility: Implementation by a Scanner Manufacturer</b> Dr. Marc Beckmann, Erlangen, Leiter MR Systemarchitektur, Siemens Healthcare GmbH <ul style="list-style-type: none"> <li>• <i>Risks associated with MRI scanning</i></li> <li>• <i>Challenges with implants</i></li> <li>• <i>Implementation strategies</i></li> </ul>
15:30	<i>Coffee Break</i>
16:00	<b>MR Safety and Compatibility: Clinical Application</b> Prof. mult. Dr. Andreas Melzer, Direktor, IMSAT Dundee und Direktor ICCAS Leipzig <ul style="list-style-type: none"> <li>• <i>Concept of MRI safety in clinical practice - What are direct and what are indirect safety issues?</i></li> <li>• <i>MR Diagnostic - Which are the main hurdles?</i></li> <li>• <i>MR guided Interventions- How can we see and track devices?</i></li> <li>• <i>MR guided Surgery - Moving the Magnet or moving the patient?</i></li> </ul>

16:30	<b>Discussion and Networking</b>
17:30	<i>Farewell</i>

*Program is subject to change without prior notice. Last Updated September 25, 2017*

### One of our next events:

**EINLADUNG zum  
Fokus-Workshop**

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*Intellectual Property Management*

04.12.2017

Frankfurt am Main

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