



## Workshop: Magnetic Sensing & Spintronics 30.3.2022 14.00 Dresden

### Within Fachtagung

### „Mikroelektronik-Forschung in Deutschland: von den Grundlagen zur Anwendung“

Magnetoresistive effects are already widely exploited in magnetic sensors and in magnetic memories. New developments exploit the spin orbit effects in heavy metals and at interfaces between materials to manipulate or sense the magnetic state with the aim to either enhance the sensitivity or endurance or to induce new functionalities as reconfigurable logic functions. The workshop aims to bring together experts from industry and research institutes and to show exemplarily the importance of this field for the microelectronics in Germany.

Venue: TU Dresden, Hörsaalzentrum, Bergstraße 64, 01069 Dresden

#### **Wolfgang Raberg, Infineon, Munich**

*Development of magnetoresistive sensors: Typical challenges and how research institutes can help to address them*

#### **Andreas Kehlberger, Sensitec, Mainz**

*Magnet sensors for automotive applications*

#### **Patrick Matthes, Fraunhofer ENAS, Chemnitz**

*XMR based magnetic field sensors: from basic science to sensor systems for automotive application*

#### **Günter Reiss, University of Bielefeld**

*Tunnelmagnetoresistive devices for non conventional computing*

Participation is free of charge

Registration required at: <https://ssl.vdivde-it.de/registration/3013>

will give access to all events of the Fachtagung

Questions regarding workshop:

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GEFÖRDERT VOM



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