

Welcome to the 13th Symposium „Magnetoresistive Sensors and Magnetic Systems“

It is a very exciting time to work in the field of „Magnetism“ and particularly with respect to magnetic sensors. After „Mechanisation“ and „Informatisation“ experts are predicting a third new technological wave based on „Sensorisation“. Regardless which current catchphrase you choose, be it Internet of Things, Cyber-Physical Systems or Industry 4.0, all of them rely on a dramatic increase in the application of sensors. Magnetic sensors will certainly play an especially important role here, be it for the measurement of movement, orientation, electrical current or magnetic fields.



Completely new applications are emerging in these cutting-edge fields, which are raising the bar, technically speaking. The demand for higher speeds, more precision, lower power requirements and higher sensitivity seems to be accelerating. The need for robust sensors is also growing quickly as sensors start to be used in more demanding environments, both on the earth and also in space. In order to generate new solutions to fulfil this widening set of ever tougher requirements a close cooperation and communication between science and industry is necessary. The 13th MR Symposium provides an ideal platform for this purpose.

Over the next two days we will cover the whole spectrum from fundamental R & D subjects, through applied research and product development themes to papers covering a wide variety of innovative applications for miniaturized magnetic sensors.

I wish us all two very informative days. Please use the opportunity to meet old and new friends, to „network“, to discuss needs and possible technical solutions and so keep the ideas flowing in the field of magnetoresistive sensors and magnetic systems.

A handwritten signature in blue ink that reads "Rolf Slatter". The signature is stylized and cursive.

Dr. Rolf Slatter

Wetzlar, 3rd March 2015