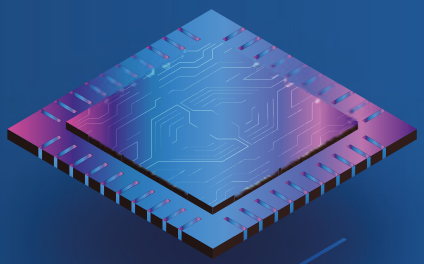
18th XMR-Symposium

Magnetoresistive Sensors & Magnetic Systems





March 9 & 10, 2027
Wetzlar, Germany

The 18th XMR-Symposium.

Innovation. Exchange. Perspectives.

Where xMR Expertise Meets Innovation

The XMR-Symposium is a leading international conference dedicated to magnetoresistive sensors and magnetic systems.

It brings together experts from research, industry and development, offering an excellent opportunity to exchange ideas, explore emerging technologies and discuss current challenges and future developments in the field.

Key Topics

- Innovations & Trends in xMR Technology
- Magnetic Sensing – from Research to Application
- Magnetic Materials for Sensor Systems
- Applications in Automation, E-Mobility, Industry and Medicine
- Field, Current and Position Sensing

Registration & Fees
Please register by 5 March 2027 at xmr-symposium.com

Participation Fees

Early Bird Rate – €690 + VAT
Register by 12 February 2027

Standard Rate – €790 + VAT
From 13 February 2027

Student Rate – €350 + VAT

Cancellation Policy
Cancellations received by 26 February 2027 are eligible for a refund. Cancellations received after this date are non-refundable.

Payment & Conference Package
Following registration, you will receive a confirmation and an invoice. Please provide a billing address if equired. Payment is due in full immediately upon receipt of the invoice. Your conference ticket will be issued once payment has been received. Please note that credit card and cash payments cannot be accepted at the event. The participation fee includes the conference proceedings, lunch and refreshments on both days, as well as dinner and the evening programme.

Conference Dinner & Evening Programme
Join us on Tuesday, 9 March 2027, at the Stadthalle Wetzlar for an evening of dinner, entertainment and networking.Participation is optional. Please indicate on the registration form whether you would like to attend.

Event Information.

Everything you need to know.

Organisation
Claudia Ulbricht
claudia.ulbricht@sensitec.com

Technical Enquiries
Dr. Pascal Hille
pascal.hille@sensitec.com

Venue
Stadthalle Wetzlar
Congress and Cultural Centre
Brühlsbachstr. 2b
35578 Wetzlar, Germany

Accommodation
Please arrange your hotel reservation independently. We recommend the following options in Wetzlar:

Hotel Wöllbacher Tor
Goethestr. 14
woellbacher-tor.de
Phone +49 6441 47030

B&B Hotel
Wolfgang-Kühle-Str. 2
hotel-bb.com
Phone +49 6441 308870

Wetzlarer Hof
Obertorstr. 3
wetzlarerhof.de
Phone +49 6441 9080

Ernst Leitz Hotel
Am Leitz-Park 8
ernst-leitz-hotel.de
Phone +49 6441 30990

TRIP INN Conference Hotel
Siegmund-Hiepe-Str. 39
tripinn-hotels.com
Phone +49 6441 870990

Michel Hotel
Bergstr. 41
michelhotelwetzlar.com
Phone +49 6441 4170

Your Presence at the XMR-Symposium
Take the opportunity to present your company and solutions at the event.
Book a small exhibition space or a poster session and make your expertise visible to attendees.
For booking details and further information, please visit our symposium website.

Conference Programme

Tuesday, March 9, 2027

	Time	Topic	Speaker
	10:00 – 10:15	Welcome and Introduction	Jianguo Wang Sensitec GmbH, Germany
1	10:15 – 10:45	Counting and Reading Magnetic Skyrmions: Building Blocks for Low-Power Magnetic Sensor Systems	Akashdeep Akashdeep Johannes Gutenberg University Mainz, Germany
2	10:45 – 11:15	Comparative Performance Analysis of Misaligned TMR Magnetic Encoders Against Idealized Point Sensing	Tim Becker RPTU Kaiserslautern-Landau, Germany
3	11:15 – 11:45	Virtual prototyping of thermoset encapsulation: predicting process-induced stresses on individual components of encapsulated electronics	Harald Ziegelwanger Elastic-Simulations GmbH, Austria
		11:45 - 13:30 | Coffee Break	
4	13:30 – 14:00	High-Accuracy Incremental Angle Measurement Using a Differential TMR Speed Sensor and Magnetic Pole Wheels	Simon Hainz Infineon Technologies Austria, Austria
5	14:00 – 14:30	TBD	TBD
6	14:30 – 15:00	TBD	TBD
		15:00 - 15:45 | Lunch	
7	15:45 – 16:15	The INNOMAG Guideline: A Terminology and Measurement Framework for Magnetic Scales in Linear and Angular Position Measurement Systems	Michael Ortner Silicon Austria Labs GmbH, Austria
8	16:15 – 16:45	Injection Molded Magnets for Modern Sensor Systems	Thomas Schliesch Max Baermann GmbH, Germany
9	16:45 – 17:15	Modern Sensor Magnets Without Rare Earth Elements: Innovative Magnetisation Solutions	Julian Teliban Magnetfabrik Bonn GmbH, Germany

19:00 - 22:00 | Conference Dinner and Evening Entertainment

Please indicate your participation when registration.

Conference Programme

Wednesday, March 10, 2027

	Time	Topic	Speaker
10	8:30 – 9:00	Measuring magnetic neuronal activity at local scale	Myriam Pannetier-Lecoeur CAE, France
11	9:00 – 9:30	Reprogramming spintronic sensors using light	Diana C. Leitao Eindhoven University of Technology, The Netherlands
12	9:30 – 10:00	Ultracompact magnetic flowmeter for biochip applications	Inês Rodrigues INESC MN, Portugal
		10:00 - 10:45 | Coffee Break	
13	10:45 – 11:15	Sinomags High-Frequency-Response Current Sensors and Their Applications	Xiaopeng Xu Sinomags Technology Co., LTD., China
14	11:15 – 11:45	A Nano-Power OmnipolarTMR Power Switch for Replacing Reed Switches in Wearable and Healthcare Applications	Meng-Huang Lai iSentek Inc., Taiwan
15	11:45 – 12:15	3D Air Coil Systems for the Calibration of MR Sensors	Jörg Dreikorn INNOVENT e. V., Germany
		12:15 - 13:30 | Lunch	
16	13:30 – 14:00	National University of Defense Technology – High-Performance TMR Magnetic Sensor Enabled by Response–Noise Joint Simulation and Comprehensive Anisotropy Regulation	Peisen Li National University of Defense Technology, China
17	14:00 – 14:30	Picoteslaon a Chip: TMR Sensors for Emerging Applications	Mahmoud Rasly Neuranics LTD., United Kingdom
18	14:30 – 15:00	From Measurement Data to Insights Modern stray field analysis for permanent magnet rotors	Matthias Schmidt Matesy GmbH, Germany

Closing Session & Networking

Preliminary programme.
We reserve the right to make changes without prior notice

18th XMR-Symposium powered by

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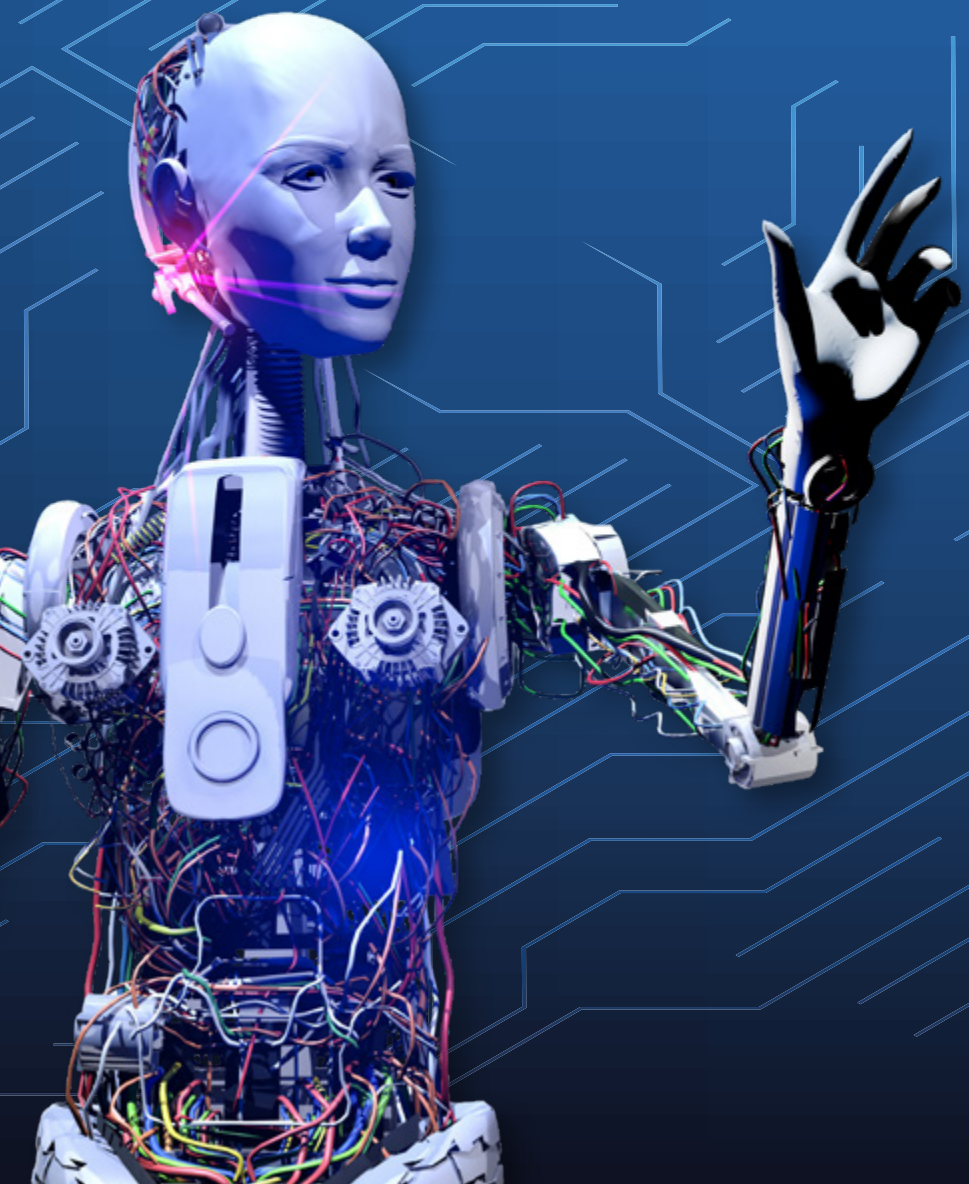
MAGNETORESISTIVE SENSORS



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