



Welcome!!

Sensor-Integrating Machine Elements Congress - WELCOME

15 – 16 September, 2026 in Darmstadt, Germany

**Reporting Colloquium of the DFG Priority Programme SPP 2305
„Sensor-Integrating Machine Elements“**

Welcome Addresses



Norbert Haefke

Managing Director

FVA GmbH



Sponsors and Exhibitors



Additional representatives from industry:

Adolf Würth GmbH & Co. KG, Airbus Helicopters Technik GmbH, baier & michels GmbH & Co. KG, Chr. Mayr GmbH + Co. KG, ConSenses GmbH, Deutsche Forschungsgemeinschaft, Everllence SE, Flender GmbH, Forschungs- und Transferzentrum Leipzig, Forschungsvereinigung Antriebstechnik e.V., Fraunhofer, FUCHS LUBRICANTS GERMANY GmbH, FVA GmbH, Gesellschaft zur Wirtschafts- und Strukturförderung, Harmonic Drive SE, HCP Sense GmbH, HEAG AG, Hottinger Brüel & Kjaer GmbH, Innox GmbH, KS Gleitlager GmbH, KSB SE & Co. KGaA, Manner Sensortelemetrie GmbH, OVALO GmbH, R+W Antriebselemente GmbH, RENK GmbH, Schaeffler Technologies AG & Co. KG, SEW-Eurodrive GmbH & Co KG, Siebenhaar Antriebstechnik GmbH, VENSTA UG, WIKA Alexander Wiegand SE & Co. KG

Welcome Addresses & Recap SiME Congress 2024



Prof. Dr.-Ing. Karsten Stahl

Head of Institute „Forschungsstelle für Zahnräder und Getriebesysteme “

Spokesperson FP 1 of the Priority Programme 2305 funded by DFG
„Sensor-Integrating Machine Elements “

TU München



Technische
Universität
München



Recap of the 1st SiME Congress 2024

Sept 19th-20th in Garching (TUM)

- Objective: Integration of autonomous sensors into machine elements without changing their geometry
- Live demonstrations and a tour of the FZG test facilities.
- Networking and knowledge exchange at a joint evening event.
- **Conclusions:**
 - Potential of sensor-integrating machine elements for intelligent monitoring and connected machines
 - FVA agreed in second congress



Collection of papers in
Engineering Research:



Welcome Addresses



Prof. Dr.-Ing. Eckhard Kirchner

Head of Institute „Product Development and Machine Elements“

Spokesperson of the Priority Programme 2305 funded by DFG
„Sensor-Integrating Machine Elements “

TU Darmstadt



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DARMSTADT

Sensor-Integrating Machine Elements Congress

15 September 2026

09:30	Presentations	
10:45	Demonstrators / Coffee break	
11:15	Presentations	Parallel sessions
12:45	Demonstrators / Lunch break	
13:45	Presentations	Parallel sessions
15:15	Demonstrators / Coffee break	
15:45	Presentations	Parallel sessions
17:15	End of Congress Presentations	
18:15	Reception	
19:15	Evening event	

16 September 2026

09:00	Knowledge Transfer and DFG Funding	
09:30	Presentations	Parallel sessions
11:00	Coffee break	
11:30	Discussion and Workshop on Transfer	
12:30	Closing Remarks	
12:45	Joint Lunch	
13:45	End of Congress	
16:00	Departure to Kaiserslautern	

Detailed Timeline: <https://sime-congress.de/programm>

Panel Discussion and Transfer Workshop

Wednesday, Sept. 16th 11.30 a.m. to 12.30 p.m.

From Research to Industrialization—Panel Discussion, Workshop, and Networking

- Presentations with brief descriptions of the academic projects
 - Ideation on how research findings can be transferred from academia to the business world
- Identify potential partner and opportunities for collaboration!

Evening Programme

- 6:15 p.m. Reception – Foyer of Justus Liebig Haus (Demonstrator Area)
- 7:15 p.m. Evening event – Dr.-Günther-Ziegler-Saal (current location)

- Networking and sharing ideas
- First steps toward identifying transfer opportunities

Refreshments will be provided

