

Mechatronic Integration Discourse MID Summit | 2026



on September 30th & Oktober 1st 2026

Institute FAPS, Nürnberg Auf AEG

Muggenhofer Straße 141, Building 14/1st Floor, 90429 Nuernberg

Sovereignty, Resilience and Autonomy in disruptive Pivot Technologies

Learn about and experience industrial collaborative research through

- Discussion of **New Project Ideas** at the Research Advisory Board Meeting
- Presentations of Successful Research Projects in **Poster Sessions**
- **Guided Tours** of the FAPS Research Laboratories

Keynotes, concurrent workshops, and networking on

- High-Frequency Components Using **3D-MID Technology**
- **Humanoid robots** for manufacturing, logistics, healthcare, and nursing
- **Micro-satellites** for communications, Earth observation, and navigation
- Sensors, actuators, control systems, and software for **drones**
- Disruption of **X-ray systems** through **field emission**
- Nuclear and conventional applications for **nuclear fusion reactors**
- **Modularization of automotive production** (unboxing)

Information, concepts, and approaches to

- **Product and process technologies, as well as applications**
- **Markets, technology providers, and competitors**
- **Potential for value creation and differentiation**



DISRUPTIVE PIVOT TECHNOLOGIES THROUGH MECHATRONIK-INTEGRATION

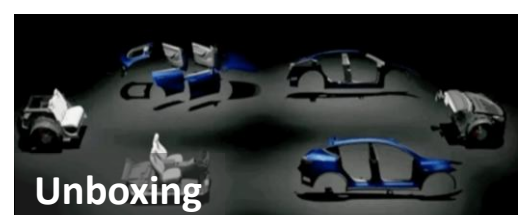
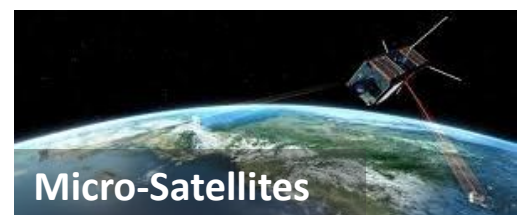
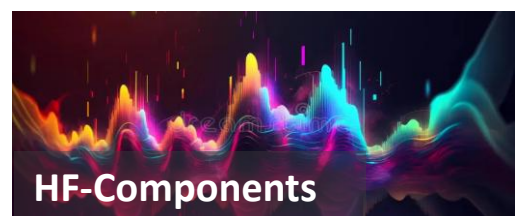
Disruptive technologies, so-called “**pivot technologies**”, are increasingly transforming products, processes, business models, and entire industries. Current examples include generative AI, autonomous driving, humanoid robots, nuclear fusion, inductive power transfer, and X-ray lithography.

Their development, market launch, and application are **highly interdisciplinary**, **capital-intensive**, **time-consuming**, and **high-risk**. Successful implementation therefore requires intensive **collaboration** between research institutions, established companies, startups, venture capitalists, and government entities.

The MID Summit 2026 addresses the **opportunities** and **risks** these technologies pose for **Germany’s sovereignty** and **competitiveness as an industrial hub**. Using selected mechatronic innovations as examples, the summit will explore technical fundamentals, applications, and value-creation potential.

Through presentations, workshops, and discussion forums, participants will gain **concrete insights into how to address pivot technologies** within their organizations. The focus is on **mechatronics integration**—that is, the intelligent interaction of, for example, sensors, actuators, software, and data. This integration is the **key to many disruptive pivot technologies**.

The **MID Summit** offers an interdisciplinary platform for **knowledge transfer**, **networking**, and **strategic orientation**.



LEGEND TO THE EVENT ENTRIES

What?	Breaks and meals
Who?	Only members of the Executive Board / Research Advisory Board / Research Association
Who?	All participants
Who?	All participants (Accompanying program for both days of the event)

WEDNESDAY, SEPTEMBER 30TH 2026

10:00	3rd Board Meeting	
12:00	Welcome Snack	
13:00	New Project Proposals at the Open Research Advisory Board Meeting	
15:00	Reviews by the Research Advisory Board	
	Laboratory Tours at the Institute FAPS	
15:45	Coffee Break	
16:00	Annual Member Meeting	
	Laboratory Tours at the Institute FAPS	
18:00	Evening Event	

Exhibition and Poster Sessions on Successful Research Projects

THURSDAY, OKTOBER 1ST 2026

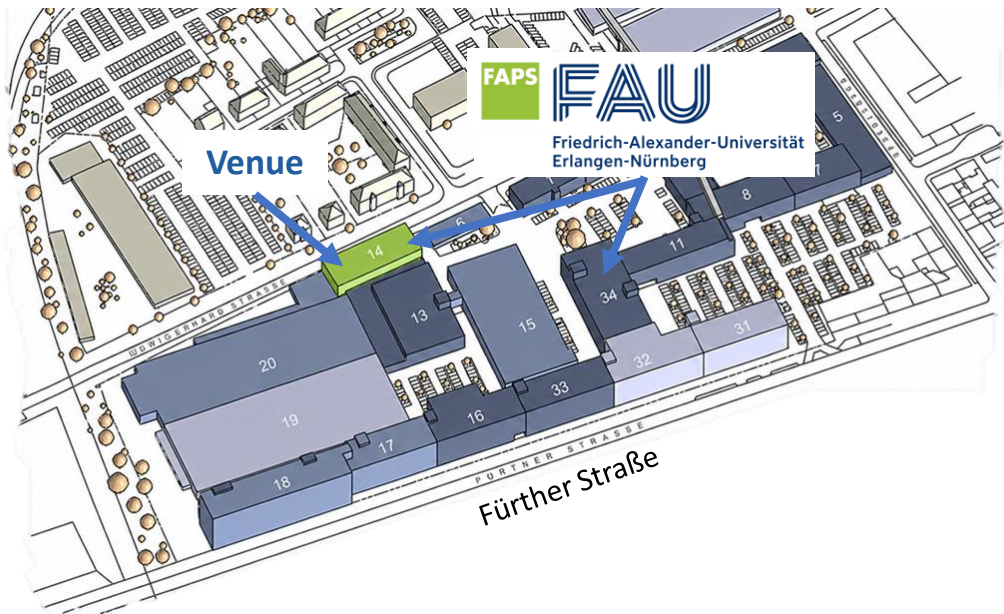
08:30	Welcome Coffee							
09:00	Identifying and Capitalizing on Opportunities in Pivot Technologies Through Mechatronics Integration; <i>Prof. Jörg Franke, FAPS</i>							
09:30	Humanoid Robots for Manufacturing, Logistics, Health, and Care; <i>Dr. Shota Okujava, Isento</i>							
10:00	Nano-satellites for Communications, Earth Observation, and Navigation; <i>Felix Motzki, Reflex Aerospace</i>							
10:30	Sensors, Actuators, Control Systems, and Software for Drones; <i>Andreas Knirsch, Wingcopter</i>							
11:00	Coffee Break							
11:15	Disruption of X-ray Systems Due to Field Emission; <i>Dr. Christian Hofmann, Siemens Healthineers</i>							
11:45	High-Frequency Components Using 3D-MID Technology; <i>Jacob Griesse, Golden Devices</i>							
12:15	Nuclear and Conventional Modules of Fusion Power Plants; <i>N.N., IPP MPG (requested)</i>							
12:45	A Revolution in Automobile Production Through Unboxing; <i>N.N., Xiaomi (requested)</i>							
13:15	Creative Exchange Over a Snack							
14:15	Interactive workshops on the above-mentioned pivot technologies							
	WS I Huma- noids	WS II Micro- Satellites	WS III Drones	WS IV X-ray Systems	WS V HF-3D- MID	WS VI Nuclear Fusion	WS VII Unboxing	
	▪ Presentation of product and process technologies ▪ Structuring of applications ▪ Market analysis and quantification ▪ Evaluation of existing and potential technology providers ▪ Detailed analysis of value creation potential							
16:15	Coffee Break							
16:30	Knowledge marketplace for interactive discussion of the results							
17:30	Summary and Outlook							
18:00	End of the MID Summit 2026							

Exhibition and Poster Sessions on Successful Research Projects

| VENUE

Institute FAPS, Nuernberg „Auf AEG“

Muggenhofer Straße 141, Auf AEG Building 14/1st Fl., 90429 Nuernberg



| Organisation

Research Association 3-D MID e.V.

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| Registration Fees

Members 3-D MID e.V.	free of charge
Companies:	480 € excl. Tax
Research Institutions:	240 € excl. Tax

[Click here to register!](#)

The number of participants is limited due the interactive workshops!

| Getting Here



Public Transport:

Take the U1 (subway) to the “Eberhardshof” or “Muggenhof” stops



By Car:

Parking is available on the premises

in collaboration with:

