



# Content

The Leverage of IT for Engineering and Science (LITES) Workshop on Sensors and Actuators 2025 will take place on **9–10 October 2025** at the **Turkish-German University** in **Beykoz, Istanbul, Türkiye**. Organized in collaboration with the **Technical University of Berlin** and the **University of Potsdam**, this event builds on the success of the inaugural **LITES 2023** and continues the biennial series.

LITES 2025 will offer a dynamic platform for interdisciplinary exchange, bringing together experts and practitioners to explore the growing role of sensors and actuators in shaping intelligent systems. As digitalization and technological advancement continue to transform both science and industry, the workshop will highlight cutting-edge developments in sensor and actuator technologies, their integration with artificial intelligence, and applications spanning production systems, automotive engineering, and healthcare.

The workshop fosters collaboration between academia and industry, supporting knowledge exchange and the development of technology-driven solutions. Alongside expert presentations, it will host discussions that bridge scientific insights with real-world applications.



## Sessions

- **Session 1:** Advanced Sensing Technologies
- **Session 2:** Actuator Developments
- **Session 3:** Integration with Intelligent Systems
- **Session 4:** Sensors and Actuators in Robotics
- **Session 5:** Application Domains
- **Industry Session:** Demonstration of the State-of-the Art Systems
- **Roundtable Meeting:** Open Discussion on Future Cooperation



# Registration

Participation in the LITES 2025 Workshop on Sensors and Actuators is **free** of charge for all attendees.

**For invited speakers from outside Türkiye, travel expenses and accommodation costs will be covered** by the DAAD (German Academic Exchange Service) in accordance with the German Federal Travel Expenses Act (Bundesreisekostengesetz).

The workshop will feature dedicated **poster sessions**, and the participation of **graduate students and postdoctoral researchers is strongly encouraged**.

Please note that the workshop will be held entirely in person, and remote participation will not be possible.

Please confirm your participation and indicate your preferred session (**Session 1–5**) along with the title of your presentation by **August 15, 2025**, via email to:

[lites2025@tau.edu.tr](mailto:lites2025@tau.edu.tr)

