

25. – 26. November 2026
Zukunftsdialog im IZW
Montanuniversität Leoben

IoT S3 2026



INVITATION – CALL FOR CONTRIBUTIONS

The Leoben IoT Sensor Systems Symposium presents latest research results on novel sensor and sensor system technologies, sensor IoT and IoT sensor systems, autonomous sensing nodes and edge signal processing, and their applications in industry, environment and consumer use cases. It brings together the local and international IoT sensor systems community, providing a platform for exchange and networking between academic and industrial players and fostering collaboration.

We invite contributions in the form of oral presentations (15 min + 5 min) and/or poster presentations addressing topics including:

- Autonomous sensor nodes in distributed sensor systems (Sensor Internet of Things, Sensor IoT)
- Novel integrated sensor concepts
- Advances in sensor node integration technology (PCB embedding, in-package integration)
- Advances in signal processing on low-power microcontrollers (MCUs)(including Edge AI)
- Tools for efficient simulation of sensor node power consumption / lifetime
- Low-power embedded system architectures
- Integrable energy harvesting concepts, including energy storage and power management
- Integrable low-power RF communication (including printed antennas and antenna-in-package (AiP))
- Applications of autonomous sensor nodes in
- IoT sensor system applications in
 - Industrial applications and condition monitoring
 - Biomedical, sport and health
 - Structural health monitoring
 - Natural hazard monitoring and monitoring of protective structures

Interested authors are invited to submit an extended abstract of max. 2 pages (including figures) using the provided template ([LaTeX download](#) or [Overleaf](#)). Each abstract should either present a technology advancing the state of the art of autonomous sensor nodes or motivate a requirement not met by currently available solutions.

Submissions are handled online via [ConfTool](#) submission system (submission deadline: 31.10.2026).

Authors of selected contributions will be offered the opportunity to submit an extended version to a recognized international journal.

Further information: <https://iot-conference.unileoben.ac.at/>

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