

# **Proposition by AMA Association for Sensors and Measurement and JSSS for the Mikrosystemtechnik-Kongress 2025 in Duisburg, 27.10.-29.10.2025**

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## **Background and Comments**

The Mikrosystemtechnik-Kongress is the leading national biannual conference dedicated to the field of microsystems and electronic based systems including their applications.

AMA Association for Sensors and Measurement is the largest and most influential European association in the field of sensors and measurement. It consists of both companies and academic institutes active in the field of sensors and measurement systems. The Association headquarters are in Berlin, Germany. Its mission is to link the sector of sensors and measurement, and to support the industry and academia active in this field throughout Europe.

The Journal of Sensors and Sensor Systems, JSSS, is an international, peer reviewed scientific journal dedicated to science, application, and advancement of sensors as part of measurement systems. It is published in Open Access by Copernicus GmbH on behalf of AMA Association for Sensors and Measurement. Chief Editor is Prof. Ulrich Schmid. JSSS was founded in 2012 by AMA Association for Sensors and Measurement. Among others, it is indexed in the Web of Science and other aggregators. July 202 Clarivate Analytics assigned to JSSS its first Journal Impact Factor, JIF 5-year currently at 1.3. The article processing charges (APC) for JSSS are quite moderate, since AMA Association for Sensors and Measurement does not pursue profit-making intentions with this journal. More details, such as the current APCs, additional aggregators, metrics, open access conditions and more can be found online at <https://www.journal-of-sensors-and-sensor-systems.net/>.

The following paper is an invitation to stimulate an active cooperation between the Mikrosystemtechnik-Kongress and AMA Association for Sensors and Measurement for the benefit of both parties. Both parties are interested in establishing a long-term collaboration, based on the following summary of key points.

All measures below that include publishing articles at JSSS, are understood to be on the condition that these articles are both an extension of an accepted conference contribution (either oral or poster) to the Mikrosystemtechnik-Kongress and pass the regular JSSS peer review process. A “1 to 1” copy of the conference proceeding paper accepted at the Mikrosystemtechnik-Kongress will not be considered for publication in JSSS.

# Proposal

**(1) Special JSSS Issue Mikrosystemtechnik-Kongress 2025**

JSSS creates and maintains a special issue devoted exclusively to the Mikrosystemtechnik-Kongress, if we receive a critical number of more than 10 submissions that enter at least the review process.

**(2) Sponsorship**

On behalf of JSSS, AMA Association for Sensors and Measurement purchase a Bronze-Sponsorship Package.

**(3) Exclusivity and prominence at Mikrosystemtechnik-Kongress 2025**

The Mikrosystemtechnik-Kongress assures AMA Association for Sensors and Measurement to collaborate exclusively with JSSS for a Special Issue on the conference and to endorse exclusively JSSS to all participants for publishing extended conference papers, as long as they are related (but not limited) to sensor principles and phenomena, sensor technologies including packaging and system integration aspects, modelling and simulation of sensors, measuring and sensor systems including interface and conditioning electronics, energy harvesting for sensor nodes, and their applications. Explicitly excluded are any topics outside the field of sensor and sensor systems, including e.g. microactuators. For completeness, the Mikrosystemtechnik-Kongress covers the following main topics:

## **T - Technologien**

- T 1. Integrationstechnologien
- T 2. Materialien
- T 3. Prozesstechnologien
- T 4. Aufbau- und Verbindungstechnik
- T 5. Modellierung und Simulation

## **K - Komponenten**

- K 1. Mikroelektronik
- K 2. Mikrosensoren
- K 3. Mikroaktoren
- K 4. Optische und Photonische Komponenten
- K 5. Quantentechnologische Komponenten
- K 6. OD-1D-2D-Komponenten
- K 7. Messtechnik, Test, Zuverlässigkeit, Robustheit

## **S - Systeme**

- S 1. Integrierte Systeme
- S 2. Hybride und mikrohybride Systeme
- S 3. Quantentechnologische Systeme

- S 4. Systemaspekte
- S 5. Systementwurf

#### **A - Anwendungen**

- A 1. Gesundheit und Lifestyle
- A 2. Nachhaltigkeit, Energie und Klima
- A 3. Mobilität
- A 4. Kommunikation
- A 5. Sicherheit
- A 6. Wirtschaft und Arbeit 4.0

The Mikrosystemtechnik-Kongress 2025 prominently features JSSS as the official journal for publishing extended papers related to all contributions from the sensor field accepted at the conference.

#### **(4) Mutual endorsements**

Both sides recognize the strategic nature of their collaboration by acknowledging it and publicly endorsing each other prominently in their various visual and spoken communications.

#### **(5) Meet-the-editor event**

The Mikrosystemtechnik-Kongress and JSSS enable and promote a "Meet-the-editor" event at the Mikrosystemtechnik-Kongress 2025 with Prof. Ulrich Schmid in person. To be held during e.g. a coffee break or during/after a poster session.