28th International
Workshop on Smart Antennas
September 16-18, 2025 | Erlangen

WSA 2025

Call for Papers

Committee

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Presented by & hosted at

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The **28th International Workshop on Smart Antennas (WSA 2025)** provides a forum for presenting the most recent research on smart antennas and related theoretical and technical aspects in modern wireless communication systems. The objective is to continue, accelerate, and broaden the momentum already gained through a series of workshops that started in 1996.

Submitted papers can involve, but do not have to be exclusively limited to the following main tracks:

Track 1 | Advanced Antenna Design
- Additive manufacturing for antennas
- Planar antenna design
- Meta surfaces in antenna design
- Decoupling techniques for antenna arrays

Track 2 | Channel Modelling & Propagation
- Channel modeling and propagation for highly mobile communications
- Channel sounding for MIMO systems
- Propagation at THz band

Track 3 | Advanced MIMO & Array Processing
- XL, holographic MIMO, and beyond
- Cell-free MIMO
- Moveable/Fluid antennas
- Near-field MIMO

Track 4 | Integrated Sensing & Communications
- Fundamental performance limits of ISAC
- Advanced waveform design for ISAC
- Beamforming techniques for ISAC
- Synchronization for distributed ISAC

Track 5 | Reconfigurable Intelligent Surfaces
- Physics-compliant RIS modeling
- RIS channel estimation
- Beamforming/beam focusing for RIS systems
- RIS-assisted localization
- New RIS architectures

Track 6 | AI for Wireless Communications
- AI-based physical layer operation/design
- Generative modeling in wireless communications
- AI-assisted resource allocation
- Explainable AI for wireless communications

Track 7 | Further Related Topics
- Non-terrestrial networks
- Security and privacy
- Green communications
- One-bit quantization

In addition to the presentation of accepted open-call papers, the conference will feature distinguished keynote presentations, invited talks, and multiple special sessions dedicated to emerging topics in next-generation wireless communication systems.

Submission Details

You are cordially invited to submit full-length papers limited to a maximum of **6 pages** in A4 format, using a 10-point font size. Accepted papers may include one additional page in the final camera-ready version, extending the limit to 7 pages with 10-point font size in A4 format.

All papers must be submitted as PDF file via EDAS (please see the WSA 2025 website for further instructions). The submissions are peer-reviewed, and the proceedings will be published in the IEEE Xplore Digital Library. The workshop will comprise both oral and poster presentations. Submission implies that at least one of the authors will register and present the paper in person.

Important Dates

Full-paper submission :	May 5, 2025
Acceptance notification:	July 15, 2025
Camera-ready paper submission:	August 1, 2025
Start of Registration:	July 20, 2025

We would be delighted if you submit a paper and join us at this exciting conference!   **wsa2025.fau.de**