

28th International Workshop on Smart Antennas

September 16-18, 2025 | Erlangen

The logo for the 28th International Workshop on Smart Antennas (WSA) 2025. It features the letters 'WSA' in a large, bold, blue font, with '2025' in a smaller blue font to the right. A stylized blue signal wave graphic is positioned behind the 'A' and extends to the right.

Call for Papers

Committee

General Chair:
Norman Franchi

Honorary Chairs:
Wolfgang Utschick
Josef A. Nossek

TPC Co-Chairs:
Vahid Jamali
Laura Cottatellucci
Wolfgang Gerstacker

Presented by and hosted at



Co-Sponsorship by



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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. 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
Registration:	July, 2025

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 which 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
- Metasurfaces in antenna design
- Decoupling techniques for antenna arrays

Track 2 | Channel Modeling and Propagation

- Channel modeling and propagation for highly mobile communications
- Channel sounding for MIMO systems
- Channel modeling for ISAC
- 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.

We would be delighted if you submit a paper and join us at this exciting conference!

wsa2025.fau.de