

## IMPORTANT DATES

- Focus Session Proposals **December 14, 2018**
- Draft Paper Submission **December 14, 2018**
- Author notifications **February 8, 2019**
- Final paper submission **April 1, 2019**
- Early-bird registration **May 1, 2019**

## CONTRIBUTIONS

Authors are invited to submit a draft paper of at least 4 up to 6 pages in PDF format on one of the IRS topics listed below using the electronic submission system.

The first page of the submitted draft paper should include:

- Paper title
- Name(s) of author(s)
- Organisation / Company
- Postal address; contact e-mail address
- Associated IRS topic (main topic and sub-point)

All papers accepted and presented at IRS will be included in the Symposium proceedings and submitted to the IEEE Xplore digital library.

A Young Scientists Prize of EUR 1,000 will be awarded to early stage researchers for the best contribution. Participants must confirm their eligibility during abstract submission.

Organizers of Focus Sessions should submit a proposal with their suggested topic and planned presentations.

## TECHNICAL EXHIBITION

Industrial companies and research institutions are invited for a technical exhibition, which will be located directly in the conference area.

For further information, please visit our website:

**[www.dgon.de/konferenzen/2019](http://www.dgon.de/konferenzen/2019)**

or contact us by email: **[dgon.bonn@t-online.de](mailto:dgon.bonn@t-online.de)**



# CALL FOR PAPERS

## INTERNATIONAL RADAR SYMPOSIUM IRS 2019

26 – 28 JUNE 2019

MARITIM HOTEL, ULM, GERMANY

## CONTACT

### Symposium Coordinators IRS 2019

Prof. Dr. Peter Knott (Chair)

Prof. Dr. Krzysztof Kulpa (Co-Chair)

Prof. Dr. Christian Waldschmidt (Co-Chair)

Dr. Michael Brandfaß (TPC Chair)

Dipl.-Ing. Galina Lange (Finance Chair)

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# IRS TOPICS

## Conference Partners

During submission, authors are requested to indicate which main topic is addressed by their contribution, conference subjects include:

### DEAR COLLEAGUES AND FRIENDS

The German Institute of Navigation (DGON) and the Fraunhofer Institute for High Frequency Physics and Radar Techniques FHR cordially invite you to the International Radar Symposium (IRS) 2019.

Following a very successful sequence of Radar Symposia started in Germany 1998, it will now be held in Ulm, Germany, home of Germany's major radar company, Hensoldt. Due to the rapid development of technologies, radar is still an expanding technical and economical field with many practical applications both in civilian and military areas.

The city of Ulm, situated on the river Danube in the heart of southern Germany, is birthplace of Albert Einstein, both rich in history and a modern city with excellent infrastructure: Ulm's historic Fishermen's Quarter, the world-famous Gothic cathedral with the highest church spire in the world, its museums, parks and gardens are only a few sights well worth a visit.

We are looking forward to seeing you in Ulm!

Sincerely yours,

IRS 2019 Organisation Team

### SIGNAL PROCESSING AND IMAGING

- Multi-Channel and Array Processing
- Adaptive Signal Processing / STAP
- SAR / ISAR Imaging
- Compressive Sensing
- Cognitive Radar

### DETECTION AND TRACKING

- Localisation and Tracking
- Ground Moving Target Indication
- Sensor Data Fusion

### RADAR ARCHITECTURE AND SYSTEMS

- Passive, Bistatic and Multi-Static Radar
- Forward Scattering Radar
- HF and Over-the-Horizon Radar
- Millimeter Wave and THz Radar
- MIMO Radar
- UWB and Noise Radar

### FRONT-END, PROPAGATION AND MODELLING

- Antennas, Arrays and Beamforming
- Propagation of Radar Signals
- Polarimetric Radar / Radar Polarimetry
- Radar and Clutter Modelling

### RADAR APPLICATIONS

- Ground / Airborne / Spaceborne Radar
- Radar Remote Sensing
- Automotive and Maritime Radar
- Weather Radar

