



Institute of Flight Guidance (IFF)



German Institute of Navigation (DGON)

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Science Technology Practice



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February 2018

## CALL FOR PAPERS

# Inertial Sensors and Systems

## Symposium Gyro Technology

**Braunschweig (Germany)  
September 11-12, 2018**

Dear Madam or Sir,

we would like to draw your attention to the Symposium on “Inertial Sensors and Systems”, held in Braunschweig, Germany on September 11-12, 2018 (The Symposium was held in Karlsruhe until 2017). Additionally we would like to encourage you with this **call for paper** to contribute your scientific work to the upcoming symposium.

### GENERAL INFORMATION:

**Scope:** At this symposium the latest state of inertial sensors and navigation systems as well as gyro technology will be presented. This includes applications of this technology, the development of new components, systems and test procedures as well as investigations on cost and marketing aspects.

As modern systems for navigation, localization and guidance are increasingly making use of aiding data provided by additional non-inertial sensors, the conference focuses on these topics with growing interest. Therefore papers covering hybrid systems, which fuse data from inertial sensors with those of GNSS, visual, infrared, radar or other sensors, will be highly appreciated.

**Conference and paper language:** English

**Conference Location:** Technische Universität Braunschweig,  
Building BI 84,  
Bienroder Weg 84,  
38106 Braunschweig,  
Germany

## CALL FOR PAPERS:

**Submission of papers:** Industry, research institutes and all users of this technology are invited to send abstracts of a paper for this technical scientific meeting to the chairman of the program committee:

**Dr.-Ing. Steffen Zimmermann** (chairman of program committee)  
E-mail: [iss-conference@tu-braunschweig.de](mailto:iss-conference@tu-braunschweig.de).

**Abstracts** are to be submitted electronically by **April 25, 2018, 18:00 UTC**

Please use the official **abstract template** available at [iss.iff.ing.tu-bs.de/](http://iss.iff.ing.tu-bs.de/).

Abstract length: min. 1, max. 2 pages using the predefined styles

Content: Title, scope and intended result evaluation of your contribution

Your abstract should fully represent your contribution. Please provide the complete contact information including phone number as well as e-mail address of the lead-author and the speaker. Abstracts with incomplete contact information will be rejected.

**Selection of papers:** The papers will be reviewed for presentation by the program committee

Dr. S. Zimmermann (chair)	Northrop Grumman LITEF, Freiburg
Dr. T. Erler	Safran Electronics & Defense Germany GmbH, Murr
Dr. W. Geiger	Robert Bosch GmbH, Reutlingen
Dr.-Ing. E. v. Hinüber	IMAR, St. Ingbert
Dipl.-Ing. T. Löffler	Diehl BGT Defence, Überlingen
Prof. Dr.-Ing. J. Wagner	University of Stuttgart

Authors will be informed about the acceptance of their papers not later than **June 1, 2018**.

**Time for oral presentation of the paper:** 20 minutes

**Questions:** Please contact the conference administration:

[iss-conference@tu-braunschweig.de](mailto:iss-conference@tu-braunschweig.de).

**Publication of complete papers:** The papers will be published as electronic conference proceedings (pdf) and will be published on IEEEExplore after their presentation at the symposium as for the previous conferences. Full manuscripts are due **at the 1<sup>st</sup> conference day**.

Please inform everyone who might be interested in submitting an abstract, too. The call for papers can also be downloaded from the conference website: [iss.iff.ing.tu-bs.de/](http://iss.iff.ing.tu-bs.de/) .

I am looking forward to welcome you in Braunschweig in September for an interesting Symposium in September 2018.

Yours sincerely



Prof. Dr.-Ing. Peter Hecker