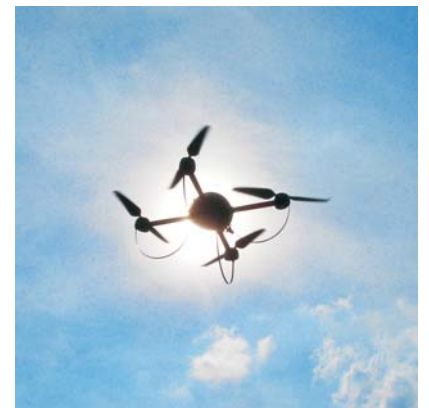


2011

Karlsruhe
Germany

Inertial Sensors and Systems

Symposium Gyro Technology



September 20 - 21, 2011
Karlsruhe Institute of Technology

Organized by



and



The German Institute
of Navigation

Institute of
Systems Optimization

Impression of 2010

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For the fourth time the "Symposium Gyro Technology – Inertial Components and Integrated Systems" took place at Karlsruhe, organized by the "Institute of Systems Optimization (ITE)" of the KIT, formerly University of Karlsruhe, in cooperation with the "German Institute of Navigation (DGON)".

This year the conference was themed "Celebrating 200 Years of Gimbal Mounted Gyroscope", referring to the first demonstration of a gimballed gyroscope platform by Prof. J. von Bohnenberger 1810 at Tübingen in Germany.

The celebration of the bicentenary anniversary of this device was performed by three jubilee presentations, which encompassed the evolution of inertial techniques from the beginnings by "Bohnenberger's Machine" to the most precise mechanical gyro system, which ever has been manufactured, as well as to high performance optical ring laser gyros for geophysical observations.

In the technical main part of the conference experts from industry and research labs discussed the latest methods and applications of inertial systems. The topics covered the whole range from optical and MEMS inertial sensor components up to multi sensor navigation systems and their applications.



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A total of 184 participants with 64% of foreign guests from 21 countries demonstrated the international significance of this conference within the inertial technology community. This year we had visitors from Canada, Denmark, Finland, France, Germany, Israel, Italy, Malta, Netherlands, Norway, P. R. China, Russia, South Africa, Spain, Sweden, Switzerland, Taiwan, Turkey, United Kingdom, Ukraine and USA.

The evening programme, combining a sight seeing tour through the palaces of Rastatt with the now traditional dinner at Karlsruhe's local micro brewery, sponsored kindly by ACUTRONIC, SENSOROR and NORTHROP GRUMMAN LITEF, was a perfect informal platform for the participants to come closer to each other.

With respect to the expanded focus and the scientific topics covered at the symposium during the last years the conference name will be changed from "Symposium Gyro Technology" to "Inertial Sensors and Systems". Besides this adaption the conference will stay in the tradition of last years and keep its high profile in latest inertial technology.



The German Institute
of Navigation

Institute of
Systems Optimization

The logo for the Institute of Systems Optimization (ITE) consists of the letters "ITE" in a bold, orange, sans-serif font. The letters are enclosed within a blue, stylized oval shape that has a white outline and a blue fill, resembling a lens or a signal.

Impressions of 2010

Impressions of 2010



Contact Information

Contact Information

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Conference Details

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Scope: The latest state of gyro technology including all kind of inertial sensors and integrated navigation systems will be presented.

Conference language: English

Deadlines:

Abstract Deadline: April 29, 2011
Author Notification: June 15, 2011
Receipt of Final Paper: September 20, 2011

Conference Fee: 120 Euro

This includes a hardcopy of the conference proceedings being mailed to the participants after the symposium.

Registration: <http://www.ite.kit.edu/GYRO/>

Chairman:

Prof. Dr.-Ing. Gert F. Trommer
Institute of Systems Optimization (ITE)
Karlsruhe Institute of Technology (KIT)

Programme Committee:

Dr. W. Bernard (chairman)	Diehl BGT Defence
Dr. W. Auch	Sagem Navigation
Dr. W. Geiger	Northorp Grumman LITEF
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