

Participation

The participation fee includes conference documents, lunches, coffee and drinks during the breaks, the get-together in the first evening, the conference dinner in the second evening as well as the Open Access publication in Procedia Manufacturing (the latter does not refer to student registration). Contributing and presenting authors are required to register as a regular conference delegate.

The invoice will be sent to you after receiving your registration. If you cancel your registration by April 30th 2020, we will refund the participation fee deducting an administrative charge of 100 €. Otherwise, the participation fee must be paid in full.

For further information about the conference please visit our website: www.sysint-conference.org

Conference Venue

ATLANTIC Hotel Universum
Wiener Straße 4
28359 Bremen

Accommodation

ATLANTIC Hotel Universum****
www.atlantic-hotels.de

Hotel 7-things**
www.7things.de

Marriott Courtyard****
www.marriott.com

Hotel Munte****
www.hotel-munte.de

Swissotel Bremen****
www.swissotel.com

Registration

The conference fee for SysInt 2020 is:

- ▶ Regular
490 € if registered before March 31st, 2020
590 € if registered after March 31st, 2020
- ▶ Student
250 €

Registration
exclusively online.
Please follow this link:

www.conftool.net/sysint2020



Organizing Bodies

LogDynamics/IMSAS, University of Bremen

BIBA - Bremer Institut für Produktion und Logistik GmbH

Fraunhofer Institute for Manufacturing Technology and
Advanced Materials IFAM

Institute of Production Engineering and Machine Tools,
Leibniz University Hannover

Heinz Nixdorf Institute, University of Paderborn

Programme and Organisation
University of Bremen

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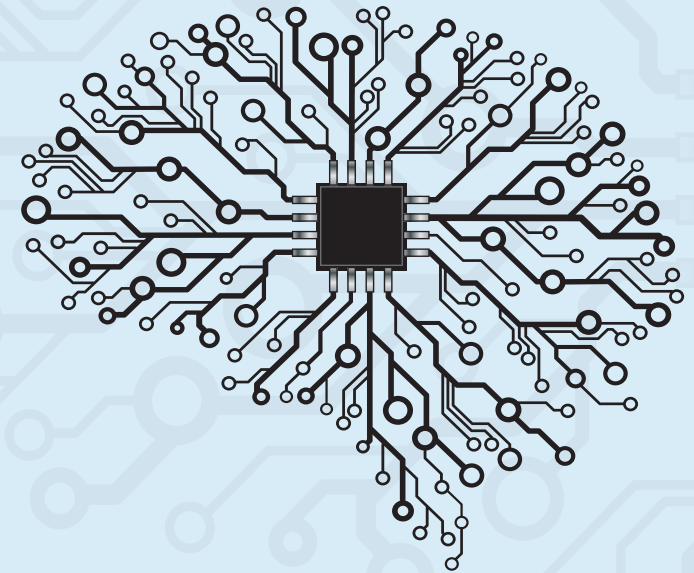


SysInt

5th International Conference
on System-Integrated Intelligence

Intelligent, Flexible and Connected
Systems in Products and Production

Call for Papers



INDUSTRY 4.0



June 3rd - 5th, 2020
Bremen, Germany

CIRP sponsored
conference

Call for Papers

We encourage you to join in for presentations by experts, industrial representatives and scientists. Benefit from impulses on various topics concerning the future of machines, products and manufacturing.

Grasp the potential of new ideas and get insights into cutting-edge applications of intelligent systems and smart components during lab tours on University of Bremen Campus and through associated institutes like BIBA and Fraunhofer IFAM. Complemented by a get-together and a dinner, the conference will provide abundant opportunities for vibrant discussions and networking.

We look forward to welcoming you!

Klaus-Dieter Thoben

Walter Lang

Berend Denkena

Ansgar Trächtler



Prof. Klaus-Dieter Thoben
ICT Applications for
Production, University of
Bremen



Prof. Walter Lang
Institute of Microsensors,
Actuators and Systems
(IMSAS), University of
Bremen



Prof. Berend Denkena
Institute of Production
Engineering and Machine
Tools (IFW), Leibniz
Universität Hannover



Prof. Ansgar Trächtler
Control Engineering and
Mechatronics, Heinz
Nixdorf Institute, University
of Paderborn

Submissions

Abstracts and papers submitted to the conference must contain original research and should not exceed 500 words and 6 pages, respectively. Simultaneous submission of material that has already been published elsewhere is not allowed. The best papers will be presented within the themed sessions, high quality papers will be accepted for oral and poster sessions, taking into account authors' preferences wherever possible. For further information please visit the website:
www.sysint-conference.org/submission.html

Important Dates

Sep 23rd, 2019: Symposium Topics Submission
Nov 10th, 2019: Abstract Submission
Dec 20th, 2019: Notification of Abstract Acceptance
Feb 20th, 2020: Full Paper Submission
Mar 15th, 2020: Reviewer Feedback Full Paper
Apr 5th, 2020: Final Paper Submission
Apr 24th, 2020: Transfer of Papers to Elsevier
Jun 3rd-5th, 2020: Conference in Bremen, Germany

Proceedings

Conference proceedings will be published Open Access in Procedia Manufacturing. Selected authors will be asked to submit extended manuscripts to well-regarded scientific journals.

Scope

This international event provides a forum for academia and industry to disseminate their latest innovations and practises. The focus is on integration of new, intelligent functionalities into materials, components, systems and products to enable future technologies with enhanced capabilities. Industry 4.0 and smart manufacturing solutions will feature prominently in the final program.

Program

The conference will span over three days featuring parallel tracks and guided tours through institutes, research centers and companies. The program includes also a welcoming get-together in the evening of the first conference day and a dinner on the second day.

Call for Papers - Topics

We invite academia and industry to present and discuss innovative technologies and products, centered around six primary topics:

Intelligent Systems: Enabling Technologies and Artificial Intelligence

- Self-Optimization and Autonomous Control
- Agent-Based Systems and Machine Learning
- Smart Materials, Components and Systems
- Sensor Development and Sensor-Integration

The Future of Manufacturing: Cyber-Physical Production and Logistic

- Smart Factories and Advanced Automation
- Product Intelligence

Pervasive and Ubiquitous Computing

- Internet of Things
- Service Architectures
- User Interfaces
- Sensor Networks

Structural Health Monitoring (SHM)

- Design for Reliability, Safety and Durability
- Predictive Maintenance
- Case Studies across Industries, Products and Materials

Systems Engineering

- Model-Based Systems Engineering
- Consistency: From Requirements to System Integration and Tests
- Verification and Validation

Soft Robotics and Human-Machine-Interaction

- Design, Modelling and Control of Soft Robots
- Methods of effective Cooperation between Human and Robot
- Design of Human-Machine-Interfaces



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