

## Participation

The participation fee includes conference documents, two lunches, coffee and soft drinks during the breaks. The attendance at the conference dinner is optional, highly recommended however. Presentations of the industry session will be translated simultaneously into German and English. The number of participants is limited.

The invoice will be sent to you after receiving your registration. If you cancel your registration by April 30<sup>th</sup> 2018, 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:

<http://www.sysint-conference.org>

## Conference Venue

Hannover Centre for Production Technology (PZH)  
Leibniz Universität Hannover  
An der Universität 2, 30823 Garbsen, Germany

## Hotel Accomodation

### Hotel Landhaus am See\*\*\*\*

Seeweg 27-29  
30827 Garbsen  
Phone: +49 5131 46860  
info@landhausamsee.de  
www.landhausamsee.de

### Hotel Amadeus\*\*\*\*

Fössestraße 83  
30451 Hannover  
Phone: +49 511 219760  
info@hotelamadeus.de  
www.hotelamadeus.de

### Hotel Bullerdieck\*\*\*\*

Bürgermeister-Wehrmann-  
Straße 21  
30826 Garbsen-Frielingen  
Phone: +49 5131 4580  
info@bullerdieck.de  
www.bullerdieck.de

### Hotel GLOBOTEL\*\*\*

Porschestraße 8  
30827 Garbsen-Berenborstel  
Phone: +49 5131 4920  
info@globotel.de  
www.globotel.de

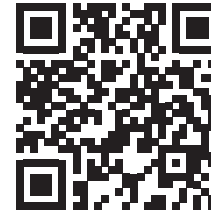
## Registration

For attending the "SysInt – 4<sup>th</sup> International Conference on System-Integrated Intelligence: Intelligent, flexible and connected systems in products and production" on June 19<sup>th</sup> and 20<sup>th</sup> 2018 in Garbsen, Germany the following conditions apply:

- ▶ Conference delegate  
420 € if registered until 15 Mar 2018 (exempt from VAT)  
520 € if registered after 15 Mar 2018 (exempt from VAT)
- ▶ Conference dinner  
70 € + VAT per person

**Registration exclusively online, please follow this link:**

<http://www.conftool.net/sysint2018/>



## Organizing Bodies

Institut für Fertigungstechnik und Werkzeugmaschinen,  
Leibniz Universität Hannover  
Heinz Nixdorf Institute, University of Paderborn  
ISIS / LogDynamics, University of Bremen

### Programme and Organisation:

Institut für Fertigungstechnik und Werkzeugmaschinen (IFW)  
(Institute of Production Engineering and Machine Tools)

### Tobias Stiehl

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### Gerold Kuiper

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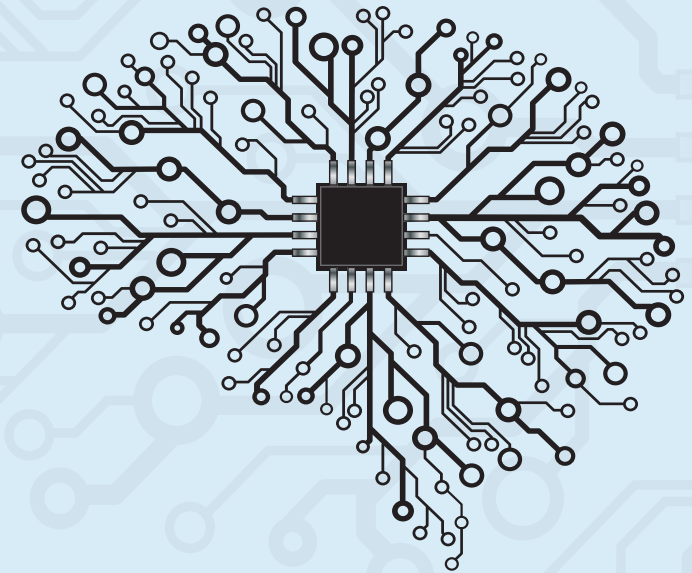


# SysInt

4<sup>th</sup> International Conference  
on System-Integrated Intelligence

**Intelligent, flexible and connected  
systems in products and production**

# Call for Papers



## INDUSTRY 4.0



**HEINZ NIXDORF INSTITUT**  
UNIVERSITÄT PADERBORN



CIRP sponsored  
conference

**June 19<sup>th</sup> and 20<sup>th</sup>, 2018**

at the Hannover Centre  
for Production Technology (PZH)  
in Garbsen, Germany

## 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 an insight into cutting-edge machine tool technology through an experimental shop floor tour. Complemented by a dinner, the conference will provide abundant opportunities for vibrant discussions and networking.

We look forward to welcoming you!

Yours faithfully,



Berend Denkena



Ansgar Trächtler



Klaus-Dieter Thoben



**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



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

## 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, other accepted papers will be placed in the poster session. For further information on how to make a contribution please visit our website:  
[www.sysint-conference.org/submission.html](http://www.sysint-conference.org/submission.html)

## Important Dates

01 Dec 2017: **extended to 15 Dec 2017**: Abstract submission  
22 Dec 2017: Notification of acceptance  
02 Mar 2018: Full paper submission  
02 Apr 2018: Reviewer feedback on full paper  
20 Apr 2018: Final paper submission  
19 and 20 Jun 2018: Conference

## Proceedings

Conference proceedings will be published in Procedia Manufacturing. Selected authors will be asked to submit an extended manuscript to a well-regarded scientific journal.

## 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.

## Programme

The conference will span over two full days featuring three parallel tracks, two of which focus on academia, one on industry. An experimental shop floor tour presenting progressive machine tool technology will be offered. The dinner is arranged for the first evening of the conference at the SKYLIGHT restaurant. The location offers an excellent view on the runway of the airport while providing an enjoyable and pleasant atmosphere. The poster session is scheduled within the afternoon programme of the second day.

## Industrial Sessions

### Digitization and networked systems in practice:

- assistance systems (mixed reality, augmented reality)
- integrated production (concepts and examples for the integration of existing machines, data analytics, sensor concepts)

Discuss ideas, concepts and solutions in regard to digitization and networked systems with users and producers. The presentations will be held in English or German, simultaneous translation will be provided.

## Scientific session

### ▶ Intelligent Systems: Enabling Technologies

- 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 Systems

- Smart Factories and Advanced Automation
- Product Intelligence

### ▶ Pervasive and Ubiquitous Computing

- Internet of Things
- Service Architectures
- User Interfaces

### ▶ Structural Health Monitoring

- 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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on System-Integrated Intelligence