

## CALL FOR PAPERS

July 24-26, 2017

Emden, Germany



#### Honorary Chairs:

Bogdan Wilamowski, USA  
Gerhard Kreutz, Germany  
Uwe Schmidtman, Germany

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Armando Walter Colombo, Germany  
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#### Technical Program Co-Chairs:

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Olaf Sauer FhG-IOSB, Germany  
Stamatis Karnouskos, Germany  
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#### Special Sessions Co-Chairs:

Juan Jose Rodríguez Andina, Spain  
Paulo Leitão, Portugal  
Lucia Lo Bello, Italy  
Kim Man, Hong Kong, China

#### Tools Track & Exhibition Co-Chairs:

Robert Harrison, UK  
Thomas Strasser, Austria  
Thomas Bangemann, Germany

#### Tutorials Co-Chairs:

José Lastra, Finland  
Peter Palensky, Austria  
Luis Ribeiro, Sweden

#### Industry Forum Co-Chairs

Michael Condry, Intel, USA  
Viktor Huang, China / USA  
Matthias Führer, Siemens, Germany  
Benoit Jaquemin, Schneider Electric, France  
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Sponsored by: IEEE Industrial Electronics Society - Organized by: I2AR, HSE/L, Germany

Technical co-sponsors: University of Applied Sciences Emden/Leer, Universidade Nova de Lisboa-FCT-DEE.

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#### Background:

IEEE INDIN is the premier conference series presenting the state of the art and future perspectives of industrial information technologies, where industry experts, researchers, and academics share ideas and experiences surrounding frontier technologies, breakthrough and innovative solutions and applications.

Previous conferences in the series were held in Banff Canada (2003), Berlin Germany (2004), Perth Australia (2005), Singapore (2006), Vienna Austria (2007), Daejeon Korea (2008), Cardiff UK (2009), Osaka Japan (2010), Lisbon Portugal (2012), Beijing China (2013), Porto Alegre Brazil (2014), Cambridge UK (2015) and Poitiers France (2016).

#### Aim:

The aim of INDIN'17, under the motto "*The Undergoing Industrial Informatics R-Evolution*", is to bring together researchers and practitioners from industry and academia and provide them with a platform to report on recent developments, deployments, technology trends and research results, as well as initiatives related to industrial informatics and their application.

#### Topics within the scope of the conference will include, but are not limited to:

- Internet of Things and emerging paradigms
- Cyber-Physical Systems and Industrial Agents
- Cloud and Wireless Systems for Industrial Applications
- Cognitive and Computational Intelligence
- Industrial digitalization, big data and analytics
- Human, Computer and Machine Interface
- Factory Automation, Mechatronics and Robotics
- Distributed and Networked Control Systems
- Technologies and Infrastructures for smart grids, buildings, and cities
- Education in Engineering and Industrial Informatics
- Tools for industrial informatics applications

#### Special Sessions

To enhance the technical program and focus on specific topics and areas, INDIN'2017 will include special sessions, in addition to regular ones. Special sessions can cover subjects or cross-subjects belonging to the topics of interest, or novel topics related with the ones identified within the topics of interest. Special sessions can also have the drive from specific Research & Innovation (R&I) projects or clusters of projects, namely EU-sponsored projects. If you are interested in organizing a special session, please contact Special Sessions Co-Chairs at [ss@indin2017.i2ar.de](mailto:ss@indin2017.i2ar.de).

#### Industry Forum, Tools Track & Exhibition

To support specific discussions among participants, INDIN'2017 will include an Industry Forum, Tools Track & Exhibition. The Industry Forum will consist on a set of technical sessions with the participation of leader-companies and institutions. The Tools Session will include oral presentation of the tool paper, as well as participation on the Tools Exhibition. A tool paper is a paper which has its focus on the description of a cyber-physical system (CPS)-tool (neither on the application of the tool nor on the theory behind the tool). The tool should be available for use by other groups in a non-commercial basis. Please contact the Industry Forum and Exhibition Co-Chairs at [industry-forum@indin2017.i2ar.de](mailto:industry-forum@indin2017.i2ar.de)

#### Tutorials

Several tutorials are planned on the latest trends in Industrial Informatics taking place on July 24<sup>th</sup>, 2017. If you are interested in organizing a tutorial, please contact Tutorials Co-Chairs at [ss@indin2017.i2ar.de](mailto:ss@indin2017.i2ar.de).

#### Submission of Papers

The working language of the conference is English. Prospective participants are requested to electronically submit full papers of their work (6 pages max.) following the instructions available on the website. Accepted papers will be published in IEEE proceedings volume to be included in IEEE Explor. Note: There will be the possibility of coordinate common submissions to the conference and to the IEEE Transaction on Industrial Informatics.

#### Paper Acceptance

Each accepted paper must be presented at the conference by one of the authors. Papers not presented will not be included in IEEE-xplore. The final manuscript must be accompanied by a registration form and a registration fee payment proof. All conference attendees, including authors and session chairpersons, must pay the conference registration fee, and their travel expenses.

#### Important Dates:

*Deadline for submission of special sessions proposals* ..... January 20, 2017  
*Deadline for submission of tutorials proposals* ..... March 17, 2017  
*Deadline for submission of papers (regular, special sessions, and tools):* .... February 28, 2017  
*Notification of acceptance:* ..... April 14, 2017  
*Deadline for submission of final manuscripts:* ..... May 19, 2017

FURTHER INFORMATION: <http://indin2017.i2ar.de>

INDIN'2017 Secretariat [secretary@indin2017.i2ar.de](mailto:secretary@indin2017.i2ar.de)