

# IESM 2017

## International Conference on Industrial Engineering and Systems Management

[www.iesm17.org](http://www.iesm17.org)

Call for Papers

Saarbrücken, Germany - October 11-13, 2017

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### Industry and Logistics 4.0: Trends, Benefits, and Challenges for Industrial Growth

By 2020, over 20 billion devices will be communicating, representing an economic added value of \$1.9 trillion, according to Gartner. The next industrial revolution, known as Industry 4.0, is underway. Its main objective is to increase global competitiveness through quality products and low production costs. The establishment of „smart factories“ and “smart services” will offer greater flexibility in operations and more efficient allocation of resources, paving the way for agile manufacturing and scalable logistics solutions. Networks will become integrated with unified skills and real-time information exchange.

Thus, the complexity of systems is getting more and more important and requires more sophisticated market offers. The number of robots ever more intelligent and adaptable has been doubled in Europe since 2004. People and machines should work together, connected by intelligent interfaces.

Industry 4.0 can be both a threat and an opportunity for industries. In fact, traditional businesses are faced with new challenges that will change the rules of productivity and competition. Companies must operate by removing the barriers between information and physical structures. Interdisciplinary thinking is essential, both in the technical and social fields, with a continuous process of learning and collaboration, and a significant impact on professional roles.

The IESM 2017 conference aims to bring together researchers and professionals to discuss and share their experience and developments around these new concepts and this new industrial revolution.

#### Keynote Speakers

Dimitrios Kiritsis, École Polytechnique Fédérale de Lausanne

Thies Uwe Trapp, BOSCH

Xavier Fouger, Dassault Systèmes

### Conference Topics

- > Artificial intelligence and its applications in industrial engineering
- > Cleaner and sustainable production systems and services
- > Customer service systems design and management
- > Data warehousing and data mining
- > Decision analysis and decision support systems
- > E-Services and technologies for distributed manufacturing
- > Enterprise integration and interoperability
- > Facilities design, planning, and layout
- > Health care systems
- > Heuristics and meta-heuristics for advanced manufacturing
- > Human factors and ergonomics
- > Human-computer interaction and cognitive engineering
- > Industrial engineering and systems management
- > Information systems and management
- > Innovation management and entrepreneurship
- > Intelligent control, holonic, and product-driven systems
- > Logistics, transportation, and distribution systems
- > Maintenance and reliability
- > Manufacturing executive systems
- > Monitoring of manufacturing systems
- > Product life cycle management
- > Production planning and scheduling
- > Project management
- > Quality management
- > Service sciences management and engineering
- > Supply chain design and performance evaluation
- > Warehouse and inventory management

### Submission of Papers & Special Sessions

Prospective participants are invited to submit full papers electronically (6 pages max.), written in English, in accordance with one of the templates provided on the website, customized for IESM 2017.

Following the conference, authors of selected papers will be invited to submit extended versions of their papers to special issues of (indexed) journals.

Proposals for Special Sessions are also welcome.

### Important Dates

- > Deadline session proposal: Jan 31, 2017
- > Deadline full paper submission: Mar 31, 2017
- > Notification of acceptance: May 31, 2017
- > End of early bird registration: Jun 30, 2017
- > Final paper submission and copyright form: Aug 31, 2017
- > Conference: Oct 11-13, 2017

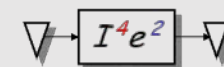
### Conference Organization

wirtschafts  
wissenschaften  
htw saar

Hochschule für  
Technik und Wirtschaft  
des Saarlandes  
University of  
Applied Sciences



### Scientific Partners



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### Conference Location

Saarbrücken is the capital of the federal state of Saarland and is located in the Saar-Lor-Lux region, at the heart of Europe. Saarland is an ideal destination and conference venue. An extensive highway and railway network as well as airports nearby ensure excellent accessibility.

Saarland University of Applied Sciences (htw saar) offers more than 45 Bachelor and Master programs in engineering, business, social sciences and architecture. Located at the Franco-German border, htw saar historically maintains strong partnerships to higher education institutions in France. It conducts significant research in robustness, efficiency and sustainability of industrial processes.

The conference will take place at the Business School located at Campus Rotenbühl.



### Best Student Conference Paper Award

This award is intended to recognize an exceptional contribution authored primarily by a student and presented at the conference. The winner will be announced during the gala dinner. A money prize and a certificate will be handed over to the winner.

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