

2017 ISPE International Conference on Transdisciplinary Engineering Singapore, July 10-14, 2017 (TE2017)



Call for Papers

It is a pleasure to invite you to the 2017 ISPE International Conference on Transdisciplinary Engineering (TE2017). The conference is organized by ISPE and the [Nanyang Technological University](#), Singapore. It will take place in Singapore from July 10 to 14, 2017.

[The International Society for Productivity Enhancement](#) (ISPE) was founded in 1984 in the USA with the goal to support and improve the international exchange of ideas and scientific knowledge in the field of technological development and application. ISPE Inc. was registered as a non-profit organization in New York in 2004. It is officially called ISPE Inc. since then.

The main objective of ISPE, Inc. is to transfer and integrate new knowledge with relevant existing or new technology and improve strategies and resources to enhance productivity and competitiveness of current product and service producers and thereby improve the quality of the life.

ISPE Inc. has successfully organized 23 international conferences, focusing on the research and industrial application aspects of Concurrent Engineering. From 2016 onwards, the series take the name of "ISPE International Conference on Transdisciplinary Engineering", to reflect recent achievements and inspiring practices that cross the boundaries of traditional engineering, in close alignment with the Concurrent Engineering paradigm.

ISPE Inc. conference proceedings are currently published in the form of an open access book under the Creative Commons license. The 2015 conference proceedings ([Transdisciplinary Lifecycle Analysis of Systems, vol. 2](#)) has been downloaded over 2,000 times in just a few weeks, which demonstrates not only high quality of the papers, but also global interest in the covered topics.

Full papers are peer reviewed and the proceedings is fully indexed by Thomson Reuters/SCI, Scopus, Compendex/Ei and others.

Authors of distinguished papers will be invited for submitting extended versions of their work to one of the following journals:

- Advanced Engineering Informatics
- International Journal of Agile Systems and Management
- Frontiers in Robotics and Artificial Intelligence
- Journal of Aerospace Operations
- Product: Management & Development

Important dates

December 31, 2016	Abstract and workshop proposals submission deadline
January 21, 2017	Notification of abstract and workshop acceptance
February 28, 2017	Full paper submission deadline
April 20, 2017	Notification of paper acceptance
May 15, 2017	Final paper submission deadline
May 31, 2017	Author registration deadline

Guide for authors

The deadline to submit abstracts is **December 31, 2016**. To submit your abstract, please click [here](#) or visit <http://te2017.com>

Topic of interests

The theme of the 2017 ISPE International Conference on Transdisciplinary Engineering is "Transdisciplinary Engineering Methods for Advanced Design and Manufacturing".

- Additive Manufacturing
- Data Analytics/ Engineering Informatics
- Cloud Manufacturing, Computing
- Collaborative/ Concurrent Engineering
- Complex Engineering/ Systems
- Comprehensive Industrialization
- Cost Modeling, Analysis and Engineering
- Cyber-Physical Systems
- Decision Support Tools and Methods for Design and Manufacturing
- Design Automation/ Design Integration/ Multidisciplinary Design Optimization
- Digital Manufacturing/ Digital Mock-up
- Emotional/ Affective Design/ Kansei Engineering
- End-of-Life Analysis/ Life Cycle Analysis/ Product Lifecycle Management
- Engineering for Sustainability
- Enterprise Systems Integration, Interoperability, Traceability and Transparency
- Human Factors in Design/ Manufacturing
- Industrial/ Product Design
- Intellectual Property Management
- Knowledge-Based Engineering/ Knowledge Sharing/ Knowledge Management
- Lean Thinking for Engineering and Management
- Maintenance and Through-life Eng.
- Model-based Enterprise Development
- Open Innovation/ Mass Customization
- Operations Optimisation
- Requirements Engineering
- Reverse Engineering
- Risk Analysis
- Safety and Security
- Service Support/ Service Design
- Sociotechnical Systems
- Stochastic Analysis
- Supply Chain Collaboration/ Management
- Systems Engineering
- Value Engineering

Organising committee

Chun-Hsien Chen: General Chair, Nanyang Technological University, Singapore
Amy Trappey: General Co-Chair, National Tsing Hua University, Taiwan
Lye Sun Woh: General Co-Chair, Air Traffic Management Research Institute
Margherita Peruzzini: Program Chair, University of Modena and e Reggio Emilia, Italy
Marcello Pellicciari: Program Co-Chair, University of Modena and e Reggio Emilia, Italy
Josip Stjepandic: Program Co-Chair, PROSTEP AG, Germany
Seung Ki Moon: Program Co-Chair, Nanyang Technological University, Singapore
Songlin Chen: Program Co-Chair, Nanyang Technological University, Singapore
Nel Wognum: Program Co-Chair, Wageningen University, The Netherlands

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