

## Call for Papers

### Conference Chair

**Margherita Peruzzini**, University of Modena and Reggio Emilia (IT)

### Conference Co-Chair

**Marcello Pellicciari**, University of Modena and Reggio Emilia (IT)

### Program Chair

**Kazuo Hiekata**, The University of Tokyo (JP)

### Program Co-Chairs

**Josip Stjepandic**, PROSTEP AG (DE)

**Nel Wognum**, Delft University of Technology (NL)

**Cees Bil**, Royal Melbourne Institute of Technology (AUS)

The **25th International Conference on Transdisciplinary Engineering (TE2018)** is an international forum to disseminate the most recent and relevant research, theories and practices on the new frontiers of engineering, evolving the paradigm of Concurrent Engineering and Collaborative Engineering. TE2018 conference is organized by **ISTE (International Society for Transdisciplinary Engineering)** and the **University of Modena and Reggio Emilia (Italy)** and will take place in **Modena (Italy)**, from **July 3 to 6, 2018**. Modena is located into the Emilia region, which is famous for **Advanced Manufacturing, Automotive** and **Food industries**. In particular, Modena is the beating heart of the **“Motor Valley”** (which includes companies like Ferrari, Lamborghini, Maserati, CHN Industrial, Ducati, Pagani). Keynote speakers from Ferrari, Maserati and CNH Industrial will be included the conference programme.

The **International Society for Transdisciplinary Engineering (ISTE)**, former **International Society for Productivity Enhancement (ISPE)** was founded in 1984 in the USA. In 2004 it was renamed into ISPE, Inc. and registered in New York. It has the goal to support and improve international exchange of ideas and scientific knowledge, transfer and integrate new knowledge or new technologies, and enhance productivity and competitiveness of current products/services to improve the quality of the life. ISPE, Inc. has successfully organized 24 international conferences, focusing on Concurrent and Transdisciplinary Engineering and related topics. From 2016 onwards, the series of conferences have taken the name of “International Conference on Transdisciplinary Engineering” to reflect recent practices that cross the boundaries of traditional engineering, in close alignment with the use and application context, including the Concurrent Engineering approach.

**TE2018 proceedings will be published by IOSpress in OPEN ACCESS BOOK and fully indexed by Thomson Reuters/SCI, Scopus, Compendex/Ei and others.** Authors of distinguished papers will be invited to submit **extended versions** of their work to one of the following international journals:

- Advanced Engineering Informatics
- International Journal of Agile Systems and Management
- Journal of Aerospace Operations
- Journal of Industrial Information Integration

The TE2018 conference **theme** is **“Transdisciplinary Engineering Methods for Social Innovation of Industry 4.0”**. Please visit the website to learn more about the conference theme, objectives and topics. The topics include but are not limited to:

- Engineering Methods for Industry 4.0
- Sustainable Manufacturing Engineering
- Ergonomics, Human Factors and Social Sustainability
- Digital manufacturing, Modelling and Simulation
- Virtual Training and X-in-the-Loop Virtual Prototyping
- Cost Modeling, Analysis and Engineering
- Decision Supporting Tools and Methods
- Concurrent Engineering
- Agent-based modelling
- Additive and Subtractive Manufacturing
- New methods for Smart Factories and Industrial IoT
- Big Data Analytics in Manufacturing and Services
- Design of Personalized Products and Services
- Lean Thinking and Agile Manufacturing
- Health and Safety Engineering
- Enterprise Knowledge Management
- Multidisciplinary Design Optimization
- Complex Systems Engineering
- Value Engineering and Risk analysis
- Maintenance and Through-life Engineering
- Engineering methods for smart manufacturing Operations, Supply Chain and Logistics
- Advanced Robotics for Smart Manufacturing
- Human-robot collaboration

### Important Dates:

**December 23, 2017** Abstract submission and workshop proposal deadline

**January 31, 2018** Full paper submission deadline

**March 5, 2018** Notification of paper acceptance

**April 1, 2018** Final Paper submission

Detailed instructions for preparation and submission of the scientific papers can be found at [www.te2018.com](http://www.te2018.com)