

## Editorial

Marco Perona, Simone Zanoni

*Department of Mechanical and Industrial Engineering, University of Brescia, Via Branze, 38 25123 - Brescia – Italy  
(marco.perona@unibs.it, simone.zanoni@unibs.it)*

The Summer School “Francesco Turco”, named after its founder Prof. Francesco Turco of the Politecnico di Milano, is promoted by AIDI, the Italian Association of Academics of Industrial Systems Engineering. Since 24 years it promotes interaction and cooperation among faculty from different universities throughout Italy and enhances the sense of belonging to the Italian Scientific Sector SSD ING-IND/17 (Industrial Systems Engineering).

The 2019 edition is hosted on September 11-12-13 by the University of Brescia, and organized by the Industrial Systems Engineering group of the Department of Mechanical and Industrial Engineering at the University of Brescia.

Its topic and title is: “*AUGMENTED KNOWLEDGE: A new era of industrial systems engineering*”. We are in the midst of a profound transformation of how firms, and industrial firms among them, produce value. Several sharp transformations are disrupting the value chains, bringing new opportunities and challenges altogether. While these transformations ask for new competences, new business models and new paradigms, we believe that our work as researchers and teachers alike is also challenged to provide these new competences and to train a new generation of engineers, managers and entrepreneurs.

This proceedings volume contains the 73 peer-reviewed papers presented at the scientific session organized within the School. All papers selected and organized in this book have been carefully reviewed, on the basis of technical soundness, scientific relevance, results originality, and clarity, by up to three reviewers. They have been categorized into 6 sessions and classified according to the paper’s topic and its relevance to each session theme:

- Automation and digital transformation of manufacturing systems
- Asset management, facility management and product-service systems management
- Industrial Logistics and supply chain management
- Analysis and sustainable design of goods and services production systems
- Manufacturing systems ergonomics and safety
- Operations management

We would like to thank all the authors that have submitted their work to this scientific session, and at the same time the members of the Scientific Committee, as well as the additional reviewers, for their help in ensuring the high quality of the papers.

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Scientific Program Committee

Prof. Marco Perona, Prof. Simone Zanoni