



Call for Papers

Track 12 – Industrial Informatics Tools

■ **Focus** – In recent years, we have been witnessing rapid changes in the industrial environment driven by disruptive advances in informatics, artificial intelligence, automation and control technologies. These advances are creating the need and opportunity for innovative engineering tools and methods to better-support the realisation of smart industries. The timely, well-integrated handling and processing of information is the key to the realisation of smarter industrial environments. Achieving this requires powerful, user-friendly, tools that can manage complex and sometimes cross-domain industrial applications integrating multi-disciplinary knowledge. This Technical Track invites papers showing such developments, e.g., tools that can simplify engineering tasks, provide new insights into system modelling, improve the representation, processing, analysis or exchange of information at various lifecycle phases and operational levels in industrial systems. Submitted papers should clearly state, show and compare the benefits of the described tool (or tools) in comparison to the state of the art. A user-centric perspective should be adopted when describing tools, so that the role of and benefit to the user is clearly explained, e.g. detailing the application engineering approach and explaining how this aids the user and/or system productivity.

■ Topics

- Tools to support specific methods proving that without given tool(s) an application of a given method will be difficult
- Tools to support vertical and/or horizontal integration of systems and/or enterprises
- Tools to support product and/or system lifecycle management
- Tools for complex cross-domain systems
- Tools for data/information exchange and integration
- Tools for data acquisition, processing, analysis and visualization

■ **Aim & Scope** – IEEE INDIN is a flagship conference of IEEE Industrial Electronics Society providing a forum for presentation and discussion of the state-of-art and future perspectives of industrial information technologies.

■ Solicited Papers

- Regular research papers reporting on new developments in technological sciences
- Special Session papers to stimulate in-depth discussions in special areas relevant to the conference theme
- Industry and development papers reporting on actual developments of technology, products, systems and solutions
- Tutorials

Track Chairs

Bilal Ahmad, University of Warwick, UK
Andrei Lobov, Norwegian University of Science and Technology, Norway
Lei Shu, Nanjing Agricultural University, China

Track Program Committee

Maz Ahmad, Capgemini, UK
William Dai, Shanghai Jiao Tong University, China
Yuemin Ding, University of Navarra, Spain
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