

## Topic block: Technology

*Session: “Digitalized manufacturing systems driving new business models and ecosystems”*

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### Description:

Advances in digital technologies and their application in the industrial domain led to the emergence of business models relying on a broad adoption of digital platforms dedicated to industrial scenarios (automation, simulation, supply chain management, etc.). This special session is intended to cover how the integration of digital technologies within industrial plants can federate business model innovation, focusing on how the different levels of the industrial value chain can be supported and/or rearranged by the adoption of digital platforms carrying technological contents and by the creation of new BtoB/BtoC ecosystems.

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### Answer to the question why it is now so immensely important:

The growing adoption of digital technologies within manufacturing systems is paving the way for the generation of new business models strongly bound to the newly introduced methodologies of creating value. The successfulness of such business models goes beyond the adoption of new technological infrastructures and strongly depends on the extent to which companies are able to balance the delivery of greater value to customers, together with the creation of supporting ecosystems maximizing the impact of their models.

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### Goals & Target Attendance:

Both conceptual papers addressing the emerging business models and papers focused on one or more of the following topics treated as enabler(s) of business model innovation are welcome:

- Development of multi-sided digital platforms business models;
- Plug&produce technologies;
- Digital twin management;
- Factory virtualization and situation awareness;
- Decentralized industrial process orchestration;
- Data exchange and interoperability among supply chain partners;
- Cloud manufacturing and edge computing for factory automation;
- Resources flow orchestration within the ecosystem
- Blockchain constructs for value network management

- Manufacturing-as-a-Service

### Important Dates:

- Full paper submission.....13<sup>th</sup> February 2018
- Poster submission..... 28<sup>th</sup> February 2018
- Full paper and poster notification of acceptance.....2<sup>nd</sup> April 2018  
(Reviews are performed as soon as papers are handed in, early submissions are strongly encouraged )
- Print-ready [IEEE-PDF express-compliant-final](#) papers,  
copy-right form.....16<sup>th</sup> April 2018

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Thank you very much for your interest in participating in the **24<sup>th</sup> ICE/IEEE ITMC International Technology Management Conference**, which will take place from **June 17<sup>th</sup> to 20<sup>th</sup> 2018**, in **Stuttgart** (Germany).

You intend to submit a paper for this session, but have some questions left. Then do not hesitate to contact your person in charge.



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### Chair:

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