

## 2017 IEEE International Conference on Industrial Informatics

Special Session/ Organized Session on

### “Integrating Cloud Technologies, Context Sensitive tools and Data Mining for Design of Product-Service Systems”

organized by

Principal Organizer: Sebastian Scholze (scholze@atb-bremen.de)  
Affiliation: ATB Bremen

Organizer 1: Dragan Stokic (email)  
Affiliation: ATB Bremen

Organizer 2: Jose Barata (jab@uninova.pt)  
Affiliation: Universidade NOVA de Lisboa

## Call for Papers

Theme:

The aim of this special session is to gather valuable and innovative contributions in the field of Product-Service System (PSS) Design by applying Cloud Manufacturing, Context Sensitivity, Data-Mining approaches, and other technologies that contribute to a more effective PSS design lifecycle.

To meet requirements of mass customization and personalization, B2B and B2C oriented companies need powerful engineering environments to allow multi-dimensional exchange of knowledge between PSS design and manufacturing, as well as customers and other relevant organizations across the value chain. Specifically, they need feedback from final-product consumers. Cloud technology provides new possibilities for collaborative PSS design within distributed enterprises, which must be adaptable to dynamically changing market conditions. Significant progress in the field of Context Sensitivity, provides desired adaptability in the collaborative task of design and current situation extraction based on the stakeholders' activities and conditions under which they are performing such activities on one hand and based on context of services on.

*This special session receives the support of ProSEco (Collaborative Environment for Eco-Design of Product Services and Production Processes Integrating Highly Personalised Innovative Functions), a research project funded by the European Union*

1 A good quality paper may be considered for publication in IEEE Transactions on Industrial Informatics (I.F.=4.708) subjects to further rounds of review

Seventh Framework Programme under grant agreement no 609143 (<http://www.proseco-project.eu/>) and the projects DIVERSITY (Cloud Manufacturing and Social Software Based Context Sensitive Product-Service Engineering Environment for Globally Distributed Enterprise; GA no: 636692; <http://www.diversity-project.eu/>) and SAFIRE (Cloud-based Situational Analysis for Factories providing Real-time Reconfiguration Services; GA no: 723634; <http://www.safire-factories.org/>), both funded by the European Union Horizon 2020.

The ProSEco project is providing technical support for the conference.

Topics of interest include, but are not limited to:

- PSS Development
- PSS Evaluation
- Cloud Computing/Manufacturing for PSS Development
- Context Sensitivity in Manufacturing, PSS design and Product Extension Services
- Cloud based Factory Reconfiguration
- Key Performance Indicators for PSS Modelling and Monitoring

**Submissions Procedure:** All the instructions for paper submission are included in the conference website <http://www.indin2017.i2ar.de>

**Deadlines:**

Deadline for submission of papers:	March 28, 2017
Notification of acceptance of papers:	May 5, 2017
Final manuscripts due:	June 2, 2017