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Special Session on

"Cyber-physical systems: innovative use cases and business models"

Organized by

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Call for Papers

Theme: Cyber-physical systems (CPS) become nowadays pervasive providing solutions to such domains as transportation, health care, manufacturing, logistics, and electrical power generation. Smart car, smart city, smart home, smart factory, and smart grid – a lot of systems and things in our life are getting more and more intelligent. The diversity of CPS is increasingly growing alongside their application areas. The key of this development is on the one hand new innovative ideas and use cases motivated by new business models. On the other hand it is talented engineers and entrepreneurs who develop these ideas into the actual innovative products and systems applying their engineering knowledge and skills and taking risks.

This Special Session is initiated with the aim to connect researchers, practitioners and industrialists to discuss topics of innovative engineering thinking and innovative CPS use cases, realizing new engineering ideas into innovative products, new approaches to applying business models into CPS products.

Topics of interest include, but are not limited to:

CPS Engineering Innovation, Innovative CPS Use Cases, Business Models for CPS, CPS Engineering and Entrepreneurship.

Special Areas:

1. Innovative ways for generating revenues and creating commercial knowledge applying business models for CPS
2. CPS Engineering innovation in small and medium enterprises
3. Social and business conditions for CPS Engineering innovation and innovation project management
4. Personnel recruitment, assessment and development for CPS Engineering innovation
5. Business models for application of CPS in global supply chain management
6. Virtual teams and ICT off-shoring/outsourcing in the context of CPS Engineering innovation
7. Leadership and CPS Engineering Innovation
8. Socio-demographic factors of human and social capital in context of CPS Engineering Innovation processes