



Collaborative Systems for Reindustrialization

Current economic crisis, which is affecting many world regions, namely in Europe, has led to an intensification of discussions around the reindustrialization needs. After decades of industrial decline, due to deliberate policies that advocated an exclusive move towards a service-oriented society, while neglecting the production of tradable goods, many countries are struggling with public and private belt-tightening measures which only accelerate the crisis spiral. Reindustrialization appears as the economic, social, and political process of organizing resources for the purpose of re-establishing / revitalizing industries in order to reinvigorate the economy.

Which role for Collaborative Networks in this process?

Collaboration is essential namely to SMEs in order to acquire critical mass, acquire new markets, and leverage skills. But the re-industrialization cannot simply follow the steps of past century. New perspectives of industry are needed, as exemplified by some current trends such as:

- Focusing service-enhanced products
- Addressing the full life cycle of products, including refurbishing / retrofitting and recycling
- Taking seriously on board concerns of energy saving and reduction of ecological footprint
- Having a *glocal* perspective, and relying on co-innovation and co-evolution.

Sustainability issues are clearly upfront in these trends. Any effective solution in such direction imposes collaboration of multiple stakeholders organized in mixes of dynamic value chain networks. New collaborative systems need to be developed under a well-integrated socio-technical perspective.

PRO-VE 2013 aims to be an important forum for technical discussions on these issues, share experiences and foster future directions. As such, contributing papers shall include a section on "Contributions to sustainable reindustrialization", where authors point out their contributions and potential impacts of their results regarding the main theme of the conference.

This conference continues a series of successful conferences of PRO-VE'99 (Porto, Portugal), PRO-VE 2000 (Florianópolis, Brazil), PRO-VE'02 (Sesimbra, Portugal), PRO-VE'03 (Lugano, Switzerland), PRO-VE'04 (Toulouse, France), PRO-VE'05 (Valencia, Spain), PRO-VE'06 (Helsinki, Finland), PRO-VE'07 (Guimarães, Portugal), PRO-VE'08 (Poznan, Poland), PRO-VE'09 (Thessaloniki, Greece), PRO-VE'10 (Saint-Etienne, France), PRO-VE'11 (São Paulo, Brazil), and PRO-VE'12 (Bournemouth, UK).

TOPICS

A plurality of scientific communities in Computer Science, Engineering, Economics, Management and Socio-Human sciences are encouraged to submit. Both theoretical works and sound case studies are expected. The conference will include technical papers and discussion panels. Proposals for organizing **associated events**, namely by project consortia focused on the area of Collaborative Networks are welcome.

▪ **New directions in global manufacturing**

- *Glocal* enterprise
- Service-enhanced products support
- Sensing enterprise networks
- Sustainable manufacturing networks

▪ **Product Life Cycle Support**

- Modeling and manufacturing / servicing alternatives
- Recycling, Refurbishing, Retrofitting and Facility Management

▪ **Beyond Cloud Computing**

- CC architectures in support of collaboration
- Business approaches and models
- Link between cloud and cyber-physical systems

▪ **Collaborative Business Processes and Service Architectures**

- Integrated services / value-added services
- Collaborative business processes
- Service composition
- Semantic service discovery

▪ **Collaborative Cyber Physical Systems**

- CPS Infrastructures and Internet of Things
- Sensing Enterprise and Internet of Events
- Collaborative CPS societies

▪ **Behavioral issues and governance**

- Trust modeling and management
- Risk and uncertainty management
- Serious games in collaborative networks
- Affective computing in collaborative networks
- Collective awareness systems
- Governance models for CNS
- Legal frameworks

▪ **Business models**

- New models of value creation for Product-Service Systems
- Business models for service-oriented production networks
- Project Progress Management

▪ **Case studies (examples!)**

- Eco-industrial parks
- Healthcare collaborative systems
- Active ageing networks
- Ambient Assisted Living networks
- Distributed manufacturing networks
- Educational networks
- Transportation and mobility support networks

- Collaborative e-government
- Agribusiness networks
- Disaster rescue networks
- Construction Projects
- Energy efficient production networks



Important dates

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|----------------------------------|---------------|
| - Abstracts submission: | 04 March 2013 |
| - <u>Full paper submission</u> : | 14 April 2013 |
| - Acceptance notice: | 12 May 2013 |
| - Camera ready submission: | 31 May 2013 |

Acceptance of papers is based on the **full paper** (up to **8** pages). Each paper will be evaluated by three members of the International Program Committee. However, prospective authors should submit a short abstract in advance, in order to check if the proposed topic fits within the conference scope.

Proposal for special sessions and workshops are welcome.

Main conference proceedings will be published by **Springer**. Special issues of **journals** will be published with selected papers.