



PRO-VE'10

11th IFIP Working Conference on Virtual Enterprises
Saint-Etienne, FRANCE, 11-13 October 2010



SCOPE

Collaborative Networks for a Sustainable World

Collaborative Networks emerged a decade ago, as a key issue for Economic growth and a very active area of scientific production. Dynamic collaborative organizations are an essential answer to the increasing need of strong adaptability to a constantly changing economic context. Several collaborative forms such as Virtual Organizations, Virtual Enterprises and other forms of Enterprise Networks, Professional Virtual Communities, or industry clusters and business ecosystems are now supported by large research and business practice communities. These new organizational forms put forth the development of a new theoretical background. In the recent years, many international projects have contributed to these scientific advances. The accumulated body of empiric knowledge and the size of the involved research community provide the basis for the foundation of a new scientific discipline on "Collaborative Networks". Such discipline is strongly multidisciplinary and thus PRO-VE Working Conference is designed to offer a major opportunity to mix contributions from Engineering, Economics, Managerial or Socio-Human communities.

Collaboration appears essential to achieve Sustainable Development. Sustainability requires conceiving new forms of collaboration at every level of the society. This endeavour emphasizes the multidisciplinary stakes of PRO-VE Conference: the economic dimension of collaborative networks has to adopt an enlarged vision of "territorial economy" where networking is essential ; the socio-human focus of sustainable development is strongly linked to recent issues of collaborative networks e.g. on "Active Ageing", "Social Networks" or "Professional Virtual Communities"; the ecological dimension is also linked to collaborative management of shared resources and large energy systems. New areas and patterns of collaborative behaviours are emerging, not only in industry, but also in the services sector, as well as in governmental and non-governmental organizations. Fundamentals of Collaborative Networks such as proper theoretical principles, management of collaboration risks and benefits, new value systems, adequate performance assessment methods, or trust establishment approaches, still represent important research challenges in formulating a sound theory for building inter-organizational collaboration.

PRO-VE, as the most focused scientific / technical conference in the area, offers a major opportunity for the presentation and discussion of both latest research developments and industrial practice case studies. Following the IFIP international mission, the PRO-VE conference offers a forum for collaboration among different regions of the world. 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).

TOPICS

A plurality of scientific communities in Engineering, Economics, Managerial or Socio-Human sciences are encouraged to submit. Both theoretical works and short 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.

▪ CN Management systems

- Management of business ecosystems
- Management of VO Breeding Environments
- Creation of goal-oriented networks
- Value creation measurement
- New value systems and performance measurement
- Risk and uncertainty management for collaborative networks
- Trust modelling and management
- Innovation management for sustainable networks.

▪ Theoretical foundation

- Convergence between sustainability and collaboration
- Business models for collaboration
- Economic aspects of collaboration
- Reference models
- Collaboration patterns and forms
- Collaborative Networks in contexts of crisis and turbulence
- Risks and self-healing models
- Service Oriented Enterprise

▪ Technological Information Sciences Issues

- Web intelligence for collaborative platforms
- Semantic web for collaboration
- Collaborative machines and sensor networks
- E-services for sustainable networks
- Mediation and collaboration platforms

▪ Cognitive issues

- Collaborative knowledge management
- Emergence and self-organizing systems
- Collaboration support ontologies
- Semantic technologies for collaboration
- Memetics and knowledge heritage.
- Affective computing in collaboration

▪ Collaborative social networks

- Social network analysis
- Societal impacts of collaboration
- Teams and collaboration
- Socio-technical issues for sustainable networks
- Professional virtual communities

▪ Collaboration Modelling and Engineering

- Typology of collaborative behaviours
- Architectures and design of Collaborative Networks
- Service oriented architectures
- Context awareness in collaboration processes
- Dynamic virtual organization, Agile organizations

▪ Applicative areas (open !)

- Sustainable Logistic Networks
- E-procurement and collaborative procurement
- Healthcare collaborative systems
- Co-Innovation networks
- Active Ageing Networks
- Educational networks
- Transportation and mobility support networks
- Collaborative e-government



Deadlines

Short abstracts submission: February, 15th, 2010
 Full papers submission: March, 30th, 2010
 Acceptance Notice: May, 15th, 2010
 Camera Ready Submission: June, 13th, 2010

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.

Proceedings to be published by **Springer**.
 Special issues of **journals** will be published with selected papers.

TECHNICAL SPONSORS



www.pro-ve.org

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