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IFIP was founded in 1960 under the auspices of UNESCO, following the First World Computer Congress held in Paris the previous year. An umbrella organization for societies working in information processing, IFIP’s aim is two-fold: to support information processing within its member countries and to encourage technology transfer to developing nations. As its mission statement clearly states,

*IFIP’s mission is to be the leading, truly international, apolitical organization which encourages and assists in the development, exploitation and application of information technology for the benefit of all people.*

IFIP is a non-profitmaking organization, run almost solely by 2500 volunteers. It operates through a number of technical committees, which organize events and publications. IFIP’s events range from an international congress to local seminars, but the most important are:

- The IFIP World Computer Congress, held every second year;
- Open conferences;
- Working conferences.

The flagship event is the IFIP World Computer Congress, at which both invited and contributed papers are presented. Contributed papers are rigorously refereed and the rejection rate is high.

As with the Congress, participation in the open conferences is open to all and papers may be invited or submitted. Again, submitted papers are stringently refereed.

The working conferences are structured differently. They are usually run by a working group and attendance is small and by invitation only. Their purpose is to create an atmosphere conducive to innovation and development. Refereeing is less rigorous and papers are subjected to extensive group discussion.

Publications arising from IFIP events vary. The papers presented at the IFIP World Computer Congress and at open conferences are published as conference proceedings, while the results of the working conferences are often published as collections of selected and edited papers.

Any national society whose primary activity is in information may apply to become a full member of IFIP, although full membership is restricted to one society per country. Full members are entitled to vote at the annual General Assembly, National societies preferring a less committed involvement may apply for associate or corresponding membership. Associate members enjoy the same benefits as full members, but without voting rights. Corresponding members are not represented in IFIP bodies. Affiliated membership is open to non-national societies, and individual and honorary membership schemes are also offered.
Preface

Collaborative Networks for a Sustainable World

Aiming to reach a sustainable world calls for a wider collaboration among multiple stakeholders from different origins, as the changes needed for sustainability exceed the capacity and capability of any individual actor. In recent years there has been a growing awareness both in the political sphere and in civil society including the business sectors, on the importance of sustainability. Therefore, this is an important and timely research issue, not only in terms of systems design but also as an effort to borrow and integrate contributions from different disciplines when designing and/or governing those systems. The discipline of collaborative networks especially, which has already emerged in many application sectors, shall play a key role in the implementation of effective sustainability strategies.

PRO-VE 2010 focused on sharing knowledge and experiences as well as identifying directions for further research and development in this area. The conference addressed models, infrastructures, support tools, and governance principles developed for collaborative networks, as important resources to support multi-stakeholder sustainable developments. Furthermore, the challenges of this theme open new research directions for CNs.

**PRO-VE 2010** held in St. Etienne, France, was the 11th event in a series of successful conferences, including PRO-VE 1999 (held in Porto, Portugal), PRO-VE 2000 (Florianopolis, Brazil), PRO-VE 2002 (Sesimbra, Portugal), PRO-VE 2003 (Lugano, Switzerland), PRO-VE 2004 (Toulouse, France), PRO-VE 2005 (Valencia, Spain), PRO-VE 2006 (Helsinki, Finland), PRO-VE 2007 (Guimarães, Portugal), PRO-VE 2008 (Poznan, Poland), and PRO-VE 2009 (Thessaloniki, Greece).

This book includes a number of selected papers from the PRO-VE 2010 Conference, providing a comprehensive overview of recent advances in various CN domains and their applications with a particular focus on sustainability issues. With this focus, this edition of the conference emphasized CN topics related to carbon-efficient value networks, active aging, management in humanitarian organizations, collaborative health networks, environment management, etc., but also including other important technical and scientific challenges in areas such as innovation networks, networking structures and consortia formation, competencies and trust management, service-orientation, collaborative process models, performance evaluation, collaborative work environments, virtual communities, inter-organizational information systems and interoperability, and game theory, among others.
Similar to previous editions of PRO-VE, the book itself is the result of cooperative and highly distributed work among the authors of the articles and the International Program Committee members who took part in paper evaluations. It therefore represents a valuable tool for those interested in innovation, emerging applications, research advances, and future challenges for R&D in collaborative networks. We would like to thank all the authors both from academia/research and industry for their contributions. We appreciate the dedication of the PRO-VE Program Committee members who helped with the selection of articles and contributed with their valuable comments to assisting authors in improving the quality of their work.

July 2010

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