



PRO-VE'09

10th IFIP Working Conference
on Virtual Enterprises



Leveraging Knowledge for Innovation in Collaborative Networks

**CONFERENCE
PROGRAM**

7-9 October, 2009
Thessaloniki, Greece
Piraeus Bank Congress Centre



10th IFIP Working Conference on Virtual Enterprises (PRO-VE'09)

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Conference Program

10th IFIP Working Conference on Virtual Enterprises (PRO-VE'09)

Scope: Leveraging knowledge for innovation in Collaborative Networks

Collaborative Networks emerged a decade ago as a very active and constantly growing area. Since, various CN manifestations such as virtual enterprises / virtual organizations have been supported by a large research and business practice community. Professional Virtual Communities have suggested new ways of work, putting the emphasis on collaborative networks of human actors. Further to these main lines, other collaborative forms and patterns of collaborative behavior are emerging. This is not only in industry, but also in service sector, as well as governmental and non-governmental social organizations, e.g. the collaborative networks for rescue missions in disaster situations, time bank organizations, virtual labs, grid manufacturing, elderly care, etc. The concept of breeding environment is now understood as a fundamental entity to enable the formation of dynamic collaborative organizations.

Recent research and developments emphasize the need for exploring innovation management and techniques that will highly improve the operation and interaction within CNs. New technologies around the Internet of the future and Internet of things and services create new opportunities for collaborative systems and applications. Collaborative Networks can also benefit from the application of Cognitive Systems and Affective Computing. Moreover, fundamentals of CNs such as proper theoretical principles, measuring collaboration risks and benefits, new value systems, adequate performance assessment methods, and trust establishment approaches, still represent important research challenges in formulating a sound theory for building CNs. PRO-VE, as the most focused scientific / technical conference in the area, offers a major opportunity for the presentation and discussion of both the latest research developments and industrial practice case studies. Following the IFIP vision, PRO-VE 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) and PRO-VE'08 (Poznan, Poland).

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WG 5.5 (COVE)



Society of Collaborative Networks

WELCOME MESSAGES

Welcome to Thessaloniki

I am really proud and honoured to welcome all of you to the 10th IFIP Working Conference on Virtual Enterprises, PRO-VE'09, to be held in Thessaloniki, Greece. This edition marks the 10th anniversary of a successful series of PRO-VE conferences that started in 1999. The South East European Research Centre, an international, multidisciplinary research centre of the University of Sheffield (UK) and CITY College (Greece), is really pleased and honoured to be the organiser of this year's conference. This is the first time that PRO-VE is held in South East Europe, and SEERC, having been a contributor to the conference during the past few years, aspires to act as a catalyst for the future promotion of Collaborative Networks research in South East Europe. I would like to take this opportunity and thank all the institutions, enterprises and individuals that have contributed to make the PRO-VE'09 conference a reality and, I hope, a success.

I would like to thank all the authors for their excellent contributions. We are very pleased to see that PRO-VE'09 has attracted a large number of high-quality papers which we hope will result in lively discussions and engaging exchange of views during the conference. I would also like to thank our invited speakers for contributing to the event through intriguing presentations on timely topics that aim to be a source of inspiration for the audience. I would like to especially thank the members of the Programme Committee for devoting valuable time and effort in reviewing the submitted papers, and the members of the PRO-VE Steering Committee for entrusting the organisation of this year's conference to SEERC.

Special thanks go to the Chair of the Programme and Steering Committees, Professor Luis Camarinha-Matos. Finally, I would like to express my thanks to the members of the Organising Committee, who have worked tirelessly to organise PRO-VE'09 and make your stay in Thessaloniki pleasant as well as engaging. I am looking forward to welcoming all of you at PRO-VE'09 in Thessaloniki.

Iraklis Paraskakis
Conference Chairman

Welcome to PRO-VE'09

Since its first edition in Porto, Portugal, in 1999, PRO-VE has played a fundamental role in the consolidation of the discipline of Collaborative Networks. Along the years, PRO-VE has pursued a number of distinctive characteristics, namely providing a space for lively interactions and discussions of front edge issues, promoting healthy and highly productive interactions among experts coming from different backgrounds on the basis of mutual respect and recognition of the need to have a multi-disciplinary perspective, seeking excellence by supporting a scientific approach to solve real world applications, and thus contributing to sounder theories, methods and tools.

The community built around PRO-VE was the basis for the creation of the SOCOLNET international Society of Collaborative Networks. The continuous support from IFIP, namely through the WG 5.5 COVE, gave PRO-VE a better visibility, namely through the access to the IFIP Proceedings published by Springer and indexed on the Web of Science. In addition to the highly cited proceedings, PRO-VE has also given origin to many special issues of international journals that published extended versions of the best papers presented at the conference. The inclusion of PRO-VE in the "A" group of conferences by the Australian Ranking of ICT Conferences was another remarkable recognition of the quality of the conference.

On the occasion of its 10th anniversary, I am particularly pleased to see the increase of good quality papers. I am particularly thankful to all of you that contributed with your high quality work and therefore allowed us to prepare this Programme that will offer a very enriching experience to all participants. A special word of thanks goes to the members of the International Program Committee that carried the heavy task of evaluating the large number of submissions. Finally I also want to express my gratitude for the work of the local organizing committee coordinated by Dr. Iraklis Paraskakis, as well as the great support of SEERC. I wish you all a great working conference in Thessaloniki in the tradition of PRO-VE.

Luis M. Camarinha-Matos
Steering Committee and Program Committee Chairman

COMMITTEES

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SPEAKERS

Keynote Speaker:

Prof. Dr. Ir. Wil van der Aalst

Prof.dr.ir. Wil van der Aalst is a full professor of Information Systems at the Technische Universiteit Eindhoven (TU/e) having a position in both the Department of Mathematics and Computer Science and the Department of Technology Management. Currently he is also an adjunct professor at Queensland University of Technology (QUT) working within the BPM group there. His research interests include workflow management, process mining, Petri nets, business process management, process modeling, and process analysis. He has published more than 115 journal papers, 15 books (as author or editor), 230 refereed conference/workshop publications, and 40 book chapters. Many of his papers are highly cited (he has an H-index of more than 63 according to Google Scholar, making him the Dutch computer scientist with the highest H-index) and his ideas have influenced researchers, software developers, and standardization committees working on process support. He has been a co-chair of many conferences including the Business Process Management conference, the International Conference on Cooperative Information Systems, the International conference on the Application and Theory of Petri Nets, and the IEEE International Conference on Services Computing. He is also editor / editorial board member of several journals, including the Distributed and Parallel Databases, the International Journal of Business Process Integration and Management, the International Journal on Enterprise Modelling and Information Systems Architectures, Computers in Industry, Business & Information Systems Engineering, IEEE Transactions on Services Computing, Lecture Notes in Business Information Processing, and Transactions on Petri Nets and Other Models of Concurrency. He is also a member of the Royal Holland Society of Sciences and Humanities.

Invited Speakers:

Dr Theologos Athanaselis

Dr Theologos Athanaselis received the Diploma degree in Electrical and Computer Engineering from Democritus University of Thrace in September 1999. He holds an Msc in Engineering and Physical Sciences in Medicine from the Centre for Biological & Medical Systems of Imperial College of Science, Technology and Medicine. He received his PhD degree in Electrical and Computer Engineering Dept. of NTUA in 2007, on "Algorithms for application of N-grams in Automatic Spontaneous speech recognition and text processing". His research interests include statistical methods for language processing, spontaneous speech recognition, and speech enhancement techniques. Since 2001, he is working as a Researcher in Voice and Sound Technology Department of Institute for Language and Speech Processing (ILSP/ R.C "ATHENA"). Also, he has worked at ILSP / R.C. "Athena" on several projects as a researcher (IST-ERMIS, IST-HEARCOM, IST-AGENT_DYSL, IST-SOPRANO, EHF-Aythormito, EHF-SUB4ALL).

Dr Stylianos Hatzipanagos

Dr Stylianos Hatzipanagos (UK) is an academic working at King's College London. He is the lead of the e-learning function at the King's Learning Institute and he contributes to the development and delivery of graduate and undergraduate programmes in academic practice. He is also a senior research fellow at the Centre of Flexible Learning in Dentistry at the College and a Fellow of the Centre for Distance Education of the University of London. His research portfolio includes: formative assessment and e-assessment, computer mediated communication and computer supported collaborative work, social software and social networking in an educational context. He has developed research funding applications, and participated in research projects at a national (UK) and European level.

PROGRAMME AT A GLANCE

Wednesday, 7 October

8:30 - 9:30	Registration		
9:30 - 11:00	Opening session Keynote (Auditorium)		
11:00 - 11:30	Coffee break		
11:30 - 13:00	A1 (Auditorium) Knowledge Management Collaboration	A2 (Room A) CNs for Active Ageing (I)	A3 (Room B) Needs and Practices
	Lunch break		
14:30 - 16:00	B1 (Auditorium) Partners Selection	B2 (Room A) CNs for Active Ageing (II)	B3 (Room B) e-Procurement and Collaborative Procurement
	Coffee break		
16:30 - 18:30 (C2 finishes at 18:00)	C1 (Auditorium) Collaboration Patterns	C2 (Room A) CNs for Active Ageing (III)	C3 (Room B) Teams and Collaboration
	Welcome reception (Yalpas Bar Restaurant)		
18:45			

Thursday, 8 October

9:00 - 11:00	D1 (Auditorium) Collaborative Work Environments	D2 (Room A) Collaborative Educational Networks (I)	SP (Room B) Special Panel: Next Generation CNOs	AW1 (Room C) Workshop: SACSNET09
	Coffee break			
11:00 - 11:30	E1 (Auditorium) Modelling and Managing Competences (I)	E2 (Room A) Socio-technical Issues in Collaboration	SP (Room B) Special Panel: Next generation CNOs	AW1 (Room C) Workshop: SACSNET09
	Lunch break			
13:00 - 14:30	F1 (Auditorium) Modelling and Managing Competences (II)	F2 (Room A) Collaborative Educational Networks (II)	F3 (Room B) Processes and Decision	F4 (Room C) Collaboration in Supply Chains
	Coffee break			
16:30 - 17:30	Networking / social & business meetings			
	City tour via bus, and transfer to dinner location			
17:30 - 20:00				

Friday, 9 October

9:00 - 11:00	H1 (Auditorium) Co-innovation in Collaborative Networks	H2 (Room A) VO Breeding Environments Modelling	AW2 (Room B) Workshop: WIVE	AW3 (Room C) Workshop: Research for SMEs
	Coffee break			
11:00 - 11:30	I1 (Auditorium) Management Aspects in CNs	I2 (Room A) Trust and soft Issues in Collaboration	AW2 (Room B) Workshop: WIVE	AW3 (Room C) Workshop: Research for SMEs
	Lunch break			
13:00 - 14:00	J1 (Auditorium) Service-based Systems	J2 (Room A) Agile Business Models	AW2 (Room B) Workshop: WIVE	AW3 (Room C) Workshop: Research for SMEs
	Coffee break			
16:00 - 17:30	K1 (Auditorium) Performance Management	K2 (Room A) Formal Models	AW2 (Room B) Workshop: WIVE	AW3 (Room C) Workshop: Research for SMEs
	Closing session & best papers award (Auditorium)			
18:30 - 20:00	SOCOLNET General Assembly -members only- (Auditorium)			

20:30

Conference dinner
(Science Center & Technology Museum of Thessaloniki)

DETAILED PROGRAMME

Wednesday – 7 Oct 2009

08:30 Registration

09:30 Opening Session (Auditorium)

10:00 Keynote:
Process mining in Collaborative Networks: Discovering Real Processes and Interactions
Wil van der Aalst, NETHERLANDS

11:00 Coffee break

11:30 Parallel Sessions A

Session A1 (Auditorium): Knowledge Management in Collaboration

Chair: Jens Eschenbächer

Knowledge Management with Snapshots

Hilda Tellioglu, AUSTRIA

Short-term Semantic Consensus: Towards Agile Ontology Specification for Collaborative Networks

Carla Pereira, Cristóvão Sousa, António Lucas Soares, PORTUGAL

Ontological View-driven Semantic Integration in Collaborative Networks

Yunjiao Xue, Hamada H. Ghenniwa, Weiming Shen, CANADA

Session A2 (Room A): Collaborative Networks for Active Ageing – I

Chair: Ricardo Rabelo, António del Cura

The Need for a Strategic R&D Roadmap for Active Ageing

Luis M. Camarinha-Matos, PORTUGAL, Hamideh Afsarmanesh, NETHERLANDS

A Well-conceived Vision for Extending Professional Life of Seniors

Hamideh Afsarmanesh, NETHERLANDS, Luis M. Camarinha-Matos, PORTUGAL, Simon S. Msanjila, NETHERLANDS

Exploring the Gap for Effective Extension of Professional Active Life in Europe

Will Leonard, UK, Hamideh Afsarmanesh, Simon Samwel Msanjila, NETHERLANDS, Jim Playfoot, UK

Session A3 (Room B): Needs and Practices

Chair: Ronald Beckett

Analyzing Enterprise Networks Needs: Action Research from the Mechatronics Sector

Luca Cagnazzo, Paolo Taticchi, Gianni Bidini, Enzo Baglieri, ITALY

Comparing Notes: Collaborative Networks, Breeding Environments, and Organized Crime

Alejandro Hernández USA

Mapping R&D within Multinational Networks: Evidence from the Electronics Industry

Paula Urze, Maria João Manatos, PORTUGAL

13:00 Lunch

14:30 Parallel Sessions B

Session B1 (Auditorium): Partners Selection

Chair: István Mézgar

Uncertainty in Partner Selection for Virtual Enterprises

José António Crispim, Jorge Pinho de Sousa, PORTUGAL

Supplier Selection in Virtual Enterprise Model of Manufacturing Supply Network

Toshiya Kaihara, Jayeola F Opadiji, JAPAN

Design and Implementation of a Multi-agent Framework for the Selection of Partners in Dynamic VEs

Pedro Sanz Angulo, Juan José de Benito Martín, SPAIN

Session B2 (Room A): Collaborative Networks for Active Ageing – II

Chair: Luis M. Camarinha-Matos

New Organizational Forms to Extend the Professional Active Life

Antonio del Cura, SPAIN, Luis M. Camarinha-Matos, Filipa Ferrada, PORTUGAL, Patricia del Cura, SPAIN

Towards Modeling a Collaborative Environment for Extension of Professional Active Life

Hamideh Afsarmanesh, NETHERLANDS, Luis M. Camarinha-Matos, PORTUGAL

Methodologies for Active Aging in the Manufacturing Sector

Rosanna Fornasiero, Domenica Berdicchia, Mario Zambelli, Giovanni Masino, ITALY

Session B3 (Room B): e-Procurement and Collaborative Procurement

Chair: Martin Ollus

Collaborative Procurement within Enterprise Networks: A Literature Review, a Reference Framework and a Case Study

Luca Cagnazzo, Paolo Taticchi, Gianni Bidini, Mohamed Sameh, ITALY

eProcurement for Industrial Maintenance Services

Maik Herfurth, Axel Meinhardt, Jörg Schumacher, Peter Weiß, GERMANY

Guide to a Strategic Procurement Planning Approach on Regulated Commodity Markets

Marcus Seifert, Thorsten Wust, GERMANY

16:00 Coffee break

16:30 Parallel sessions C

Session C1 (Auditorium): Collaboration Patterns

Chair: Yacine Rezgui

A Cooperative Model to Improve Hospital Equipments and Drugs Management

Ilaria Baffo, Giuseppe Confessore, Giacomo Liotta, Giuseppe Stecca, ITALY

Modeling Adaptable Business Service for Enterprise Collaboration

Khouloud Boukadi, Lucien Vincent, Patrick Burlat, FRANCE

A Collaboration Pattern Model for Virtual Organisations

Nikos Papageorgiou, Yannis Verginadis, Dimitris Apostolou, Gregoris Mentzas, GREECE

Issues and Experiences in Logistics Collaboration

Nadia Lehoux, Jean-François Audy, Sophie D'Amours, CANADA, Mikael Rönnqvist, NORWAY

Session C2 (Room A): Collaborative Networks for Active Ageing – III

Chair: Hamideh Afsarmanesh

Memory Support in Ambient Assisted Living

Ricardo Costa, Paulo Novais, Ângelo Costa, José Neves, PORTUGAL

Practices and Services for Enabling the Independent Living of Elderly Population

Apostolos Vontas, Nikolaos Protogeros, GREECE, Vasiliki Moumtzi, UK

A Health Collaborative Network focus on Self-care Processes in Personal Assistant Practice

M^a Victoria de la Fuente, Lorenzo Ros, SPAIN

Session C3 (Room B): Teams and Collaboration

Chair: António Lucas Soares

Collaborative Capability of Teams in Network Organizations

Sebastian Ulbrich, Heide Troitzsch, Fred van den Anker, Adrian Plüss, Charles Huber, SWITZERLAND

Knowledge Value Creation Characteristics of Virtual Teams: A Case Study in the Construction Sector

Chalee Vorakulpipat, THAILAND, Yacine Rezgui, UK

Social Protocols for Agile Virtual Teams

Willy Picard, POLAND

Analysis of Interpersonal Communication Processes in Digital Factory Environments

Egon Müller, Jens Schütze, Martin Laue, Heiko Baum, GERMANY

18:45 Welcome reception (YaMas Bar Restaurant)

09:00 Parallel sessions D

Session D1 (Auditorium): Collaborative Work Environments

Chair: Hans Schaffers, Wolfgang Prinz, Vassilios Peristeras

Collaborative Environments to Support Professional Communities: A Living Lab Approach

Hans Schaffers, FINLAND, Steffen Budweg, Rudolf Ruland, GERMANY, Kjetil Kristensen, ITALY

Extracting and Utilizing Social Networks from Log Files of Shared Workspaces

Peyman Nasirifard, Vassilios Peristeras, Conor Hayes, Stefan Decker, IRELAND

Supporting the Change of Cooperation Patterns by Integrated Collaboration Tools

Wolfgang Prinz, Nils Jeners, Rudolf Ruland, GERMANY, Matteo Villa, ITALY

Virtual Enterprises for Integrated Energy Service Provision

Luke Allan, Karsten Menzel, IRELAND

Session D2 (Room A): Collaborative Educational Networks – I

Chair: E. Kaldoudi, P. Bamidis

Invited talk: The future of social software and social networking in Higher Education

Stylianos Hatzipanagos, UK

mEducator: A Best Practice Network for Repurposing and Sharing Medical Educational Multi-Type Content

Panagiotis D. Bamidis, GREECE, Eleni Kaldoudi, CYPRUS, Costas Pattichis, GREECE

Semantic Maps Capturing Organization Knowledge in e-Learning

Androklis Mavridis, Adamantios Koumpis, Stavros N. Demetriadis, GREECE

Thinking Style Diversity and Collaborative Design Learning

Antonio P. Volpentesta, Salvatore Ammirato, Francesco Sofo, ITALY

SP (Room B): Special panel on “Past, Present and Future of Collaborative Networks: Moving from Theory to Practice”

Detailed programme listed under ‘Associated Events’ section

AW1 (Room C): Workshop on Specification and Computation of Affect in Collaborative and Social NETWORKS (SACSNET’09)

Detailed programme listed under ‘Associated Events’ section

11:00 Coffee break

11:30 Parallel sessions E

Session E1 (Auditorium): Modeling and Managing Competencies – I

Chair: Hamideh Afsarmanesh, Xavier Boucher

Competence-Based Approach in Value Chain Processes

Rodrigo Cambiaghi Azevedo, Sophie D’Amours, CANADA, Mikael Rönqvist, NORWAY

Towards a Methodology for Managing Competencies in Virtual Teams – A Systemic Approach

Marinita Schumacher, Julie Stal-Le Cardinal, Jean-Claude Bocquet, FRANCE

An Organization’s Extended (Soft) Competencies Model

João Rosas, Patrícia Macedo, Luis M. Camarinha-Matos, PORTUGAL

Session E2 (Room A): Socio-technical Issues in Collaboration

Chair: Marcus Seifert

A Socio-Technical Approach for Transient SME Alliances

Yacine Rezgui, UK

Social Requirements for Virtual Organization Breeding Environments

Jan Świerzowicz, Willy Picard, POLAND

Discovering Collaboration and Knowledge Management Practices for the Future Digital Factory

Myrna Flores, Tomas Vera, Christopher Tucci, SWITZERLAND

SP (Room B): Special panel on “Past, Present and Future of Collaborative Networks: Moving from Theory to Practice” -continuation-

Detailed programme listed under ‘Associated Events’ section

AW1 (Room C): Workshop on Specification and Computation of Affect in Collaborative and Social NETWORKS (SACSNET’09) -continuation-

Detailed programme listed under ‘Associated Events’ section

13:00 Lunch

IFIP WG5.5 COVE Working lunch (members only)

14:30 Parallel sessions F

Session F1 (Auditorium): Modeling and Managing Competencies – II

Chair: Xavier Boucher, Hamideh Afsarmanesh

A Generic Framework of Performance Measurement in Networked Enterprises

Duk-Hyun Kim, Cheolhan Kim, KOREA

Transferability of Industrial Management Concepts to Healthcare Networks

Dario Antonelli, Agostino Villa, ITALY, Bart MacCarthy, UK, D. Bellomo, ITALY

People at Work: Modeling Human Performance in Shop Floor for Process Improvement in Manufacturing enterprises

Siti Nurhaida Khalil, R.H Weston and J.O. Ajaefobi, UK

Competence Ontology for Network Building

Kafil Hajlaoui, Xavier Boucher, Michel Beigbeder, Jean Jacques Girardot, FRANCE

Session F2 (Room A): Collaborative Educational Networks – II

Chair: P. Bamidis, E. Kaldoudi

Collaborative Networking for the Development of Quality in Education at University Level

Anni Rytkönen, Taina Kaivola, FINLAND

Training for the IT Industry: The ELEVATE Project

Iraklis Paraskakis, Andreas Konstantinidis, Thanassis Bouras, Kostas Perakis, Stelios Pantelopoulos, Thanos Hatzia Apostolou, GREECE

Building a Collaborative Network for Education and Training in International Trade Facilitation Clusters

John A. Clendenin, Nadya N. Petrova, Joshua K. Gill, USA

New Vision of Collaborative Networked Study: Fundamentals, Applications and Discipline

Formation at CEFET/RJ
Antonio José Caulliraux Pithon, BRAZIL

Session F3 (Room B): Processes and Decision

Chair: Paulo Novais

Supporting Cross-Organizational Process Control

Samuil Angelov, Jochem Vonk, NETHERLANDS, Krishnamurthy Vidyasankar, CANADA, Paul Grefen, NETHERLANDS

A Service for Robust Decision Downloading in Collaborative Networks

Heiko Thimm, GERMANY, Karsten Boye Rasmussen, DENMARK

A Practice-Based Analysis of an Online Strategy Game

Giannis Milolidakis, GREECE, Chris Kimble, FRANCE, Demosthenes Akoumianakis, GREECE

An Anticipative Effects-Driven Approach for Analyzing Interoperability in Collaborative Processes

Nicolas Daclin, Vincent Chapurlat, FRANCE

Session F4 (Room C): Collaboration in Supply Chains

Chair: Rosanna Fornasiero, Myrna Flores

Developing a Taxonomy and Model to Transfer and Assess Best Practices for Supply Chain Management

Myrna Flores, SWITZERLAND, Ana Mendoza, Victor Lavin, Benito Flores, MEXICO

Supply Chain Coordination in Hospitals

Nazaré Rego, Jorge Pinho de Sousa, PORTUGAL

A Supply Chain Architecture based on Multi-Agent Systems to Support Decentralized Collaborative Processes

Jorge E. Hernández, Raúl Poler, Josefa Mula, SPAIN

Collaborative Manufacturing Management in Networked Supply Chains

Michel Pouly, Souleiman Naciri, Sébastien Berthold, SWITZERLAND

16:30 Coffee break

17:00 Networking / social & business meetings

17:30 City tour via bus, and transfer to dinner location (pick up from the conference venue)

20:30 Conference dinner (Science Center & Technology Museum of Thessaloniki)

Friday, 9 Oct 2009

09:00 Parallel sessions H

Session H1 (Auditorium): Co-Innovation in Collaborative Networks

Chair: Michel Pouly

Networked Innovation in Innovation Networks: A Home Appliances Case Study

Luis Berasategi, Joseba Arana, Eduardo Castellano, SPAIN

Managing Distributed Innovation Processes in Virtual Organizations by Applying the Collaborative Network Relationship Analysis

Jens Eschenbächer, Marcus Seifert, GERMANY

A Balanced Scorecard for Open Innovation: Measuring the Impact of Industry-University Collaboration

Myrna Flores, SWITZERLAND, Ahmed Al-Ashaab, Andrea Magyar, UK

Co-Creation and Co-Innovation in a Collaborative Networked Environment

Edmilson Rampazzo Klen, BRAZIL

Session H2 (Room A): VO Breeding Environments Modeling

Chair: Peter Bertok

Modeling Virtual Organization Architecture with the Virtual Organization Breeding Methodology

Zbigniew Paszkiewicz, Willy Picard, POLAND

For a Methodology to Implement Virtual Breeding Environments – A Case Study in the Mold and Die Sector in Brazil

Fabiano Baldo, Ricardo J. Rabelo, BRAZIL

Virtual Operations in Common Information Spaces: Boundary Objects and Practices

Demosthenes Akoumianakis, Giannis Milolidakis, Dimitrios Stefanakis, Anargyros Akrivos, George Vellis, Dimitrios Kotsalis, Anargyros Plemenos, Nikolaos Vidakis, GREECE

An Alignment Model for Collaborative Value Networks

Carlos Bremer, Rodrigo Cambiaghi Azevedo, Alexandra Pereira Klen, BRAZIL

AW2 (Room B): Workshop on Web Intelligence and Virtual Enterprises (WIVE)

Detailed programme listed under 'Associated Events' section

AW3 (Room C): Workshop on EU-scheme Research for SMEs

Detailed programme listed under 'Associated Events' section

11:00 Coffee break

11:30 Parallel sessions I

Session I1 (Auditorium): Management Aspects in Collaborative Networks

Chair: Karsten Menzel

On Services for Collaborative Project Management

Martin Ollus, Kim Jansson, Iris Karvonen, Mikko Uoti, Heli Riikonen, FINLAND

Managing Decisions on Changes in the Virtual Enterprise Evolution

Marcus V. Drissen-Silva, Ricardo J. Rabelo, BRAZIL

An SSM-Based Approach to Implement a Dynamic Performance Management System
Roberto da Piedade Francisco, Américo Azevedo, PORTUGAL

Session I2 (Room A): Trust and Soft Issues in Collaboration

Chair: Joseba Arana

On Hard and Soft Models to Analyze Trust Life Cycle for Mediating Collaboration

Simon Samwel Msanjila, Hamideh Afsarmanesh, NETHERLANDS

Trust Building in Virtual Communities

Istvan Mezgar, HUNGARY

Value Co-creation & Co-Innovation: Linking Networked Organisations & Customer Communities

David Romero, Arturo Molina, MEXICO

**AW2 (Room B): Workshop on Web Intelligence and Virtual Enterprises (WIVE)
-continuation-**

Detailed programme listed under 'Associated Events' section

AW3 (Room C): Workshop on EU-scheme Research for SMEs -continuation-

Detailed programme listed under 'Associated Events' section

13:00 Lunch

14:00 Parallel sessions J

Session J1 (Auditorium): Service-based Systems

Chair: Willy Picard

Supporting Structural and Functional Collaborative Networked Organizations Modeling with Service Entities

Rubén Darío Franco, Ángel Ortiz Bas, Guillermo Prats, Rosa Navarro Varela, SPAIN

Interoperability in Collaborative Processes: Requirements Characterisation and Proof Approach

Matthieu Roque, Vincent Chapurlat, FRANCE

Services Systems to Leverage Innovators' Knowledge: The Telecoms Industry Case

Florie Bugeaud, Eddie Soulier, FRANCE

Session J2 (Room A): Agile Business Models

Chair: Edmilson Klen

Thinking Outside the Box: Agile Business Models for CNOs

Leandro Loss, Servane Crave, FRANCE

How to Increase Value in the Footwear Supply Chain

Rosanna Fornasiero, Enrico Scarso, Giorgio Gottardi, ITALY

Waste Management Using Request-Based Virtual Organizations

Stamatia-Ann Katriou, Garyfallos Fragkidis, GREECE, Ioannis Ignatiadis, UK, Evangelos Tolia, Adamantios Koumpis, GREECE

**AW2 (Room B): Workshop on Web Intelligence and Virtual Enterprises (WIVE)
-continuation-**

Detailed programme listed under 'Associated Events' section

AW3 (Room C): Workshop on EU-scheme Research for SMEs -continuation-

Detailed programme listed under 'Associated Events' section

15:30 Coffee break

16:00 Parallel sessions K

Session K1 (Auditorium): Performance Management

Chair: Alexandra Pereira-Klen

Performance Based Maintenance Scheduling for Building Service Components

Karsten Menzel, Ena Tobin, Ken Brown, Mateo Burillo, IRELAND

An Approach to Measuring the Performance of a Large-Scale Collaboration

Ronald C Beckett, AUSTRALIA

Reference Model for Performance Management in Service-Oriented Virtual
Organization Breeding Environments

Zbigniew Paszkiewicz, Willy Picard, POLAND

Session K2 (Room A): Formal Models

Chair: Leandro Loss

Formal Grammars for Product Data Management on Distributed Manufacturing
Systems

Rui M. Sousa; Paulo J. Martins; Rui M. Lima, PORTUGAL

Information Flow Control for Cooperation Support in Virtual Enterprises

Peter Bertok, AUSTRALIA, Abdelkamel Tari, Saadia Kedjar, ALGERIA

ICoNOs MM: The IT-Enabled Collaborative Networked Organizations Maturity Model

Roberto Santana Tapia, NETHERLANDS

**AW2 (Room B): Workshop on Web Intelligence and Virtual Enterprises (WIVE)
-continuation-**

Detailed programme listed under 'Associated Events' section

AW3 (Room C): Workshop on EU-scheme Research for SMEs -continuation-

Detailed programme listed under 'Associated Events' section

17:30 Closing session and best paper awards (Auditorium)

18:30 SOCOLNET General Assembly -members only- (Auditorium)

DETAILED PROGRAMME OF ASSOCIATED EVENTS

SP: Special Panel on “Past, Present and Future of Collaborative Networks: Moving from Theory to Practice”

Chairs: Arturo Molina, David Romero

Planned Structure: A brief set of presentations by the panelist and attendants will kick-off the panel debate.

- Panelist will have 15 minutes to share their experiences and lessons learned to state their analysis on current challenges, trends and research opportunities in Collaborative Networked Organizations.
- Attendants will have 50 minutes after the presentations in round tables to brainstorm state their opinion and suggestions in order to define future scenarios and develop the Next Generation Collaborative Networked Organizations challenges. Round tables will be organized applying the World café technique: <http://www.theworldcafe.com/>
- At the end of the session each table will have some minutes to present their proposed future scenario.

* The panelist presentations will be sent to registered participants who joined this session by email.

One key activity after the panel will be an interactive session, where all participants will brainstorm about the current and future scenarios in the emerging discipline of Collaborative Networked Organizations. At the end of this brainstorming exercise, the Organizing Committee will ask each table to provide the audience with a summary of its discussion and the conclusions reached.

- 09:00 Welcome to the Special Panel Session by the Organizers
09:15 Presentation 1: IECOS [Manufacturing]
David Romero, Arturo Molina, MEXICO
09:30 Presentation 2: VIRFEBRAS [Manufacturing]
Rolando Vargas / Ricardo Rabelo, BRAZIL
09:45 Presentation 3: ORONA [Manufacturing]
Joseba Arana, SPAIN
10:00 Presentation 4: CEMEX [Construction]
Myrna Flores, SWITZERLAND
10:15 Presentation 5: Virtual Enterprise Network [Manufacturing]
Andrew Crossley, UK
10:30 Coffee break
11:00 Presentation 6: Swiss Microtech [Manufacturing]
Michel Pouly, SWITZERLAND/CHINA
11:15 Presentation 7: Australian CNOs [Multiple sectors]
Peter Bertok, AUSTRALIA
11:30 Round Tables Discussion by All Special Panel Session Participants using the World café technique <http://www.theworldcafe.com>
12:20 Special Panel Session Conclusions by Round Table Chairs
12:30 Lunch

AW1: Workshop on Specification and Computation of Affect in Collaborative and Social NETWORKS (SACSNET'09)

Chairs: Andrej Luneski, Panagiotis Bamidis, Roger K. Moore

9:00 – 11:00:

- Control Theory of Emotion Regulation: A Dynamic Model of Emotion
David Cameron, Peter Totterdell, David Holman and Stuart Bennett, UK
- Evaluating Emotion of Others in Distributed Teams – The Role of Behavior
Arik Cheshin, Anat Rafaeli and Maya Shpigelman, ISRAEL
- Emotion valence and arousal recognition on IAPS and IADS
Shangfei Wang and Yongjie Hu, CHINA
- Detect emotion for music, a comparative study
Shangfei Wang, Yanpeng LV and Xiaozhe Shao, CHINA

11:00 – 11:30: Coffee break

11:30 – 13:00:

- Invited talk: ASR for emotional speech: Clarifying the issues and enhancing performance
Theologos Athanaselis
- Visual Attention and Emotion: The Distractor Devaluation Effect in Online Advertising
Despina Panagiotidou and Ana Belen Vivas, GREECE
- AFFECTINet - A Framework for Affective Computer-Mediated Interaction in Collaborative Networks
Andrej Luneski, Panagiotis Bamidis, GREECE, Roger K. Moore, UK

AW2: Workshop on Web Intelligence and Virtual Enterprises (WIVE)

Chairs: Christo El Morr, Pierre Maret, Laurent Vercouter

- Mechanized Cultural Reasoning as a Tool to Assess Trust in Virtual Enterprises
J. Calmet, GERMANY, P. Maret, FRANCE, M. Schneider, BRAZIL
- Virtual Knowledge Network for Human Rights Monitoring
Christo El Morr, CANADA, Julien Subercaze, FRANCE, Marcia Rioux, Mihaela Dinca-Panaitescu, CANADA
- Trust Networks
Rino Falcone, Cristiano Castelfranchi, ITALY
- ISICIL: Information Semantic Integration through Communities of Intelligence online
Fabien Gandon, Talel Abdessalem, Michel Buffa, Florie Bugeaud, Sébastien Comos, Olivier Corby, Nicolas Delaforge, Guillaume Ereteo, Alain Giboin, Patrick Grohan, Frédéric Herledan, Valérie Le Meur, Mylène Leitzelman, Benoit Leloup, Freddy Limpens, Anne Merle, Eddie Soulier, FRANCE
- Planning distributed innovation processes in Virtual Organisations by applying the Collaborative Network Relationship Analysis
Jens Eschenbächer, Heiko Duin, GERMANY
- Human Affordance in the Social Context of N-to-1 Communication
Masayuki Ihara, Minoru Kobayashi, Yoshinori Sakai, JAPAN
- Bridging Virtual Communities: The Object-Subscription Protocol
James King, Jalal Kawash, CANADA
- What Do Elderly Desire? A Case For Virtual Communities
Jan-Willem van 't Klooster, Bert-Jan van Beijnum, Pravin Pawar, Klaas Sikkel, Lucas Meertens, Hermie Hermens, NETHERLANDS
- Computerized support for ad-hoc social networks
Steinar Kristoffersen, NORWAY
- New Healthcare Society Supported by Wearable Sensors and Information Mapping based Services
Guillaume Lopez, Ichiro Yamada, JAPAN
- Improving dynamic skills searching in virtual social communities using agent's network self-organization
Mercier, M. Occello, J.P. Jamont, FRANCE
- 6Napse – Platform for enterprise collaboration
Vatcharaphun Rajsiri, Jean-Pierre Lorré, FRANCE

AW3: Workshop on EU-scheme Research for SMEs

Chair: Bernhard Kölmel

09:00

- Introduction to Collaborative “Research for SMEs” as example for virtual organization structures
Bernhard Kölmel, CAS Software, GERMANY
- Real life examples

10:00 A Semantic Service-Oriented Private Adaptation Layer enabling the next generation, interoperable and easy-to-integrate software products of European SMEs – The EMPOWER Project

- SME perspective
Stelios Pantelopoulos, Singular Logic, GREECE
- RTD-perspective
Thanassis Bouras, Singular Logic, GREECE

11:00 Coffee break

11:30 An organic knowledge management system for small European knowledge-intensive companies – The ORGANIK project

- SME perspective
Bernhard Kölmel, CAS Software, GERMANY
- RTD-perspective
Eleni Kargioti, SEERC, GREECE

12:15 Integrating Pedagogically-Documented, Value Added eTraining add-ons in Commercial Software Products of European SMEs – The ELEVATE Project

- SME perspective
Aysenur Kazokoglu, CAS Software, GERMANY
- RTD-perspective
Stelios Pantelopoulos, Singular Logic, GREECE

13:00 Lunch

14:00 Customizing Application Services by Third Parties – The CAST project

- SME perspective
Markus Bauer, CAS Software, GERMANY
- RTD-perspective
Markus Bauer, CAS Software, GERMANY

15:00 Discussion and Best Practices

Venue Information

The city of Thessaloniki

Thessaloniki is one of the oldest cities in Europe, the second largest city in Greece, and the capital of Macedonia, the second largest region in Greece. It was founded in 315 B.C. by Cassander, King of Macedonia, and was named after his wife Thessaloniki, sister of Alexander the Great.

Today Thessaloniki is considered to be one of the most important trade and communication centers in South East Europe and the Mediterranean.

The city presents a great number of Greek, Roman, Byzantine and Ottoman monuments, many of which are included in the list of UNESCO World Heritage sites, and is home to a great number of museums of history, arts, sports, and sciences.



Location of the Conference Venue

The PRO-VE '09 conference will take place in Piraeus Bank Congress Centre, at the centre of the city of Thessaloniki, in the district of Ladadika.

The area of Ladadika was set up in the 18th century to serve as a warehouse area for the port. It is a picturesque neighbourhood with many recently renovated stone build warehouses that now house bars and restaurants.

Piraeus Bank Congress Centre
12-14 Katouni Street,
54625, Thessaloniki
Tel: +30 2310 385651



Location of the Welcome Reception

The Welcome Reception will be held at the bar-restaurant “YaMas”, which is located in Nikis Avenue in the seafront of Thessaloniki, with a magnificent view of the harbour area and the White Tower.

YaMas Bar Restaurant
15 Leoforos Nikis Avenue,
54640, Thessaloniki
Tel: +30 2310 253097



Location of the Conference Dinner

The Conference dinner will be held at the restaurant “the Planetarium Barestau” which is located within the premises of the Science Center & Technology Museum of Thessaloniki.

The Science Center & Technology Museum is a cultural and educational non-profit organization, founded in 2001. It offers to the public an ideal environment to broaden its knowledge and understanding of science and technology and is actively involved the domain of technical culture.

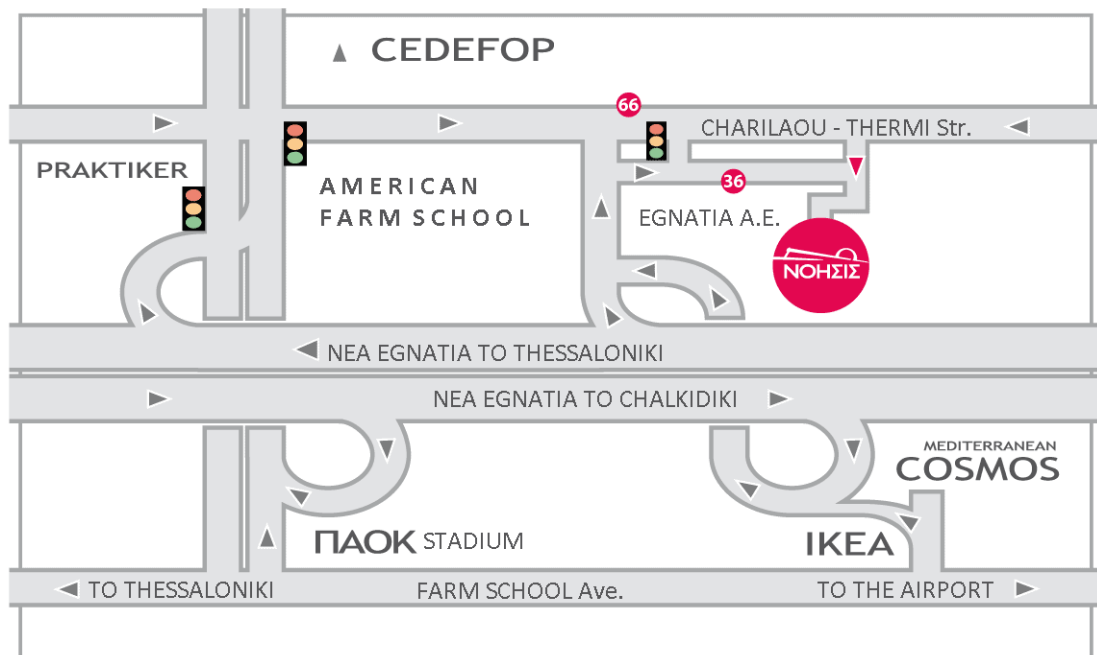
The transportation to and from the venue will be offered by pre-booked buses. Below you may find the venue address and a map of the area.



Map locations of the Conference Venue and the Welcome Reception



Map location of Conference Dinner



SCIENCE CENTRE & TECHNOLOGY MUSEUM OF THESSALONIKI, NOESIS

6th klm. Thessaloniki - Thermi Str. (opposite Mediterranean Cosmos) - Tel: +30 2310 483 000

BUS 66 ROUTE: CHARILAOU - THERMI

BUS 36 ROUTE: VOULGARI - ZONI KENOTOMIAS - VOULGARI



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Thessaloniki, Greece

