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PRO-VE

PRO-VE

8th IFIP Working Conference on VIRTUAL ENTERPRISES

Establishing the Foundation of Collaborative Networks

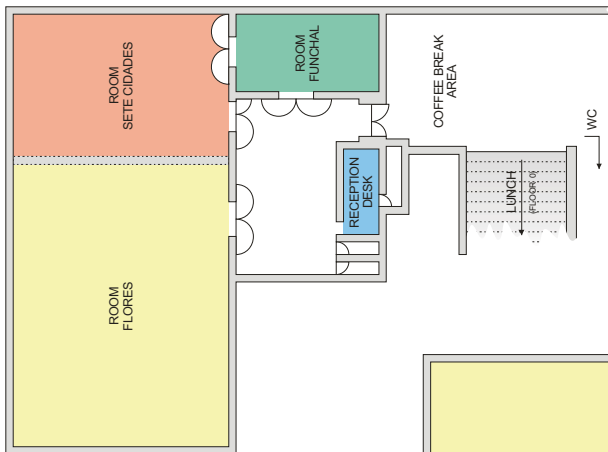
Guimarães, PORTUGAL
10-12 . September . 2007

Hotel de Guimarães

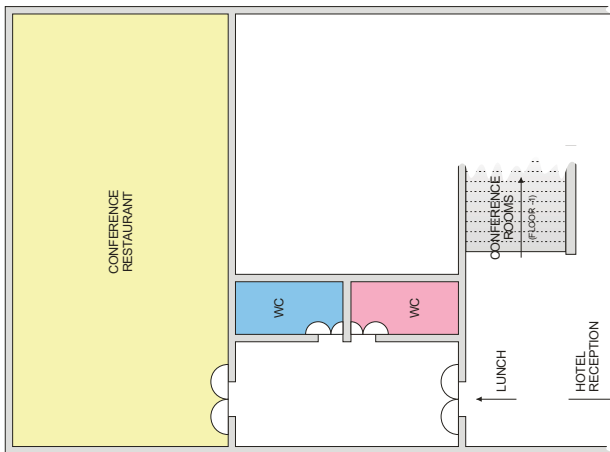


CONFERENCE ROOMS

FLOOR -1



FLOOR 0



SCHEDULE

Monday September 10th, 2007		Tuesday September 11th, 2007		Wednesday September 12th, 2007	
8:30	Registration	C1 Evaluation & Management of CSN-1	C2 Professional Virtual Communities	G1 Learning & Inheritance in VO	G2 Modeling Frameworks for CN
9:00	Opening Session	Coffee break		Coffee break	
9:30	Opening Event	D1 Evaluation & Management of CSN-2	D2 Collaboration Network Analysis	H1 Trust Aspects in Collaboration	H2 Collaborative Process Models
12:30	Lunch break	Lunch break		Lunch break	
14:00	A1 VO Creation	E1 VO Breeding Environment Enablers	E2 Architectures for Collaboration	I1 Collaborative Environment Cases	I2 Process Integration & Management
16:00	Coffee break	Coffee break		Coffee break	
16:30	B1 Performance & Value Systems	F1 Elements of BE Management	F2 e-Contracting in Collaborative Network Scenarios	J1 Adaptive Collaborative Frameworks	J2 Web Services (FUSION)
18:00	A2 Interactivity in Networks	F3 Business Benefits in Networks	Closing Session		
18:30	Welcome Reception	Visit to the Historic Center of Guimarães Cultural Heritage of Humanity		Coffee break	
20:00		Conference Dinner		SOCOLNET General Assembly	

SCOPE

“Establishing the foundation of Collaborative Networks”



Collaborative Networks (CN) correspond to a very active and steadily growing area. Virtual enterprises / virtual organizations (VE/VO) are already supported by a large research and business practice community. Also, Professional Virtual Communities (PVC) suggest new ways of work and put 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, 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 better understanding and characterization of the basic principles and mechanisms for planning and operation of collaborative networks. Building a sounder foundation, namely in terms of proper theoretical principles, ontology, and formal models capturing the concepts, entities, behavior, and operations of the CNs, continues as an important challenge. Understanding and being able to measure the benefits and risks of collaboration is another challenge. New value systems, adequate performance assessment methods and trust establishment approaches are needed in order to support value creation through collaborative networks.

In this context PRO-VE has already established its recognized position as the most focused scientific / technical conference in the area, offering 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 (held in Porto, Portugal), PRO-VE 2000 (Florianópolis, Brazil), PRO-VE02 (Seisimbura, Portugal), PRO-VE '03 (Lugano, Switzerland), and PRO-VE04 (Toulouse, France), PRO-VE05 (Valencia, Spain), PRO-VE '06 (Helsinki, Finland).

PROGRAMME COMMITTEE

Programme Chair: Luis M. Camarinha-Matos (PT)	Luis M. Camarinha-Matos (PT)	John Krogstie (NO)
Programme co-Chairs: - Hamideh Afsharmanesh (NL) - VO Breeding Environments - Willy Picard (PL) Professional Virtual Communities - Xavier Boucher (FR) Evolutionary Supply Chains and VOS - Klaus-Dieter Thoben (DE) Industrial CNO Applications	Jorge Cardoso (PT) Wojciech Cellary (PL) Maria Manuela Cunha (PT) Sophie D'Amours (CA) Heiko Dirlenbach (DE) Alexandre Dolgui (FR) Schahram Dustdar (AT) Elsa Estevez (AR) Joaquim Filipe (PT) Myrna Flores (CH) Cesar Garita (CR) Ted Goranson (US) Paul Grefen (NL) Fernando Guerrero (ES) Martín Ollus (FI) Angel Ortiz (ES) Luis Osório (PT) Kulwant Pawar (UK) Adam Pawlak (PL) Willy Picard (PL) Sotia Pinto (PT) Michel Pouly (CH) Kenneth Preiss (IL) Goran Putnik (PT) Ricardo Rabelo (BR) Heri Ramampiaro (US) Yacine Rezzou (UK) Rainer Ruggaber (DE) Hans Schaffers (NL)	Jarmo Laitinen (FI) Nada Lavrac (SI) Celson Lima (FR) José Machado (PT) Karsten Menzel (IE) Istvan Mézsgár (HU) Arturo Molina (MX) Ugo Negro (DE) Laszlo Nemes (AU) José M. Neves (PT) Ovidiu Noran (AU) Paulo Novais (PT) Adegoyega Ojo (MO) Eugenio Oliveira (PT) Martin Ollus (FI) Luis Osório (PT) Luis Osório (PT) Kulwant Pawar (UK) Adam Pawlak (PL) Willy Picard (PL) Sotia Pinto (PT) Michel Pouly (CH) Kenneth Preiss (IL) Goran Putnik (PT) Ricardo Rabelo (BR) Heri Ramampiaro (US) Yacine Rezzou (UK) Rainer Ruggaber (DE) Hans Schaffers (NL)

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 Antonio Volpentesta (IT)
 Peter Weiß (DE)

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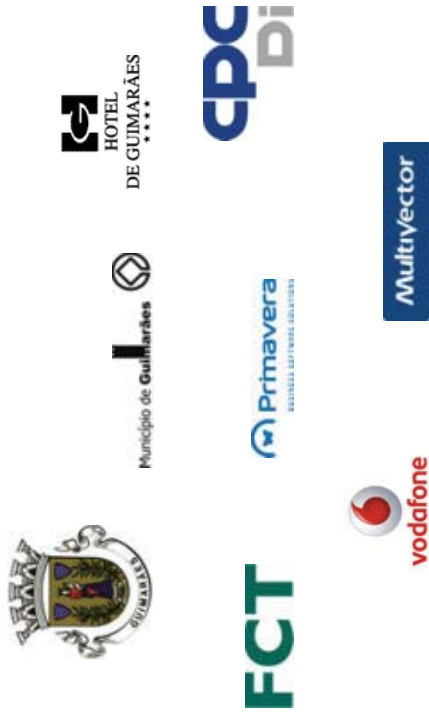
Organizing committee:

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 Victor Alves (PT)

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 (Chair)
 Hamideh Afsarmanesh (NL)
 Ricardo Rabelo (BR)
 Martin Ollus (FI)

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ORGANIZATIONAL CO-SPONSORS



WELCOME MESSAGE

We are proud to welcome all of you to the PRO-VE 2007 Conference, held in the Cradle of Portugal, the city of Guimaraes.

The city of Guimaraes has its origin in times previous to the foundation of the Portuguese nationality, and represents more than just the simple birth of a city. Guimaraes precedes and prepares the birth of Portugal in the 12th century, and represents the cradle where was born its prince and its kingdom.

Our institution, the University of Minho (UM), founded in 1973, began its academic activity in 1975/76. UM is renowned for the quality of its teaching, the quality of its students, the public recognition given to its Alumni and for its intervention and strong links with the local community and the surrounding region. UM has a student population of 16.000, out of which 1.900 are postgraduate students. The University has 1.200 teaching staff, of whom 850 hold a PhD, and 600 administrative and technical staff.

Department of Informatics, to which we belong, is responsible for research and teaching in the areas of Information Technologies and Communications at UM. The department provides knowledge, expertise and resources in these areas through the teaching of both graduate and undergraduate courses, as well as by carrying out several research projects.

SUPPORTERS



PLENARY TALKS

ATHENA – ACHIEVEMENTS IN INTER-ENTERPRISE INTEROPERABILITY

Rainer Kuggeber
SAP (Germany)

ATHENA – Advanced Technologies for interoperability of Heterogeneous Enterprise Networks and their Applications – is a 3-year (2004-2007) Integrated Project sponsored by the European Commission in support of the Strategic Objective “Networked businesses and government” of the 6th Framework Programme. Building upon an ambitious Vision Statement “By 2010, enterprises will be able to seamlessly interoperate with others”, ATHENA aimed at making a major contribution to interoperability by identifying and meeting a set of inter-related business, scientific & technical, and strategic objectives. ATHENA is committed to creating a long term impact for advancing interoperability which is mainstream, inclusive and has critical mass. To this end, ATHENA initiated an open, neutral and independent Enterprise Interoperability Centre (EIC) to which all stakeholders, in both private and public sectors, are invited to participate. This talk will summarize the main technical and scientific achievements of the project.

ECOLEAD – ACHIEVEMENTS IN COLLABORATIVE NETWORKED ORGANIZATIONS

Lúís M. Camarinha-Matos
New University of Lisbon / Unimova (PORTUGAL)

ECOLEAD is a 4-year (2004-2008) Integrated Project of the 6th Framework Programme, involving 27 industrial and academic organizations from 15 countries in Europe and Latin America. This project's vision is that in ten years, in response to fast changing market conditions, most enterprises and specially the SMEs will be part of some sustainable collaborative networks that will act as breeding environments for the formation of dynamic virtual organizations. The fundamental assumption in this project is that a substantial increase in materializing networked collaborative business ecosystems requires a comprehensive holistic approach. Therefore the project addresses three most fundamental and inter-related focus areas - constituting pillars - as the basis for dynamic and sustainable networked organizations including: VO Breeding Environments (VBE), Dynamic Virtual Organizations, and Professional Virtual Communities (PVC) and Virtual Teams. This talk will summarize the main technical and scientific achievements of the project.

THE INTELLIGENT MANUFACTURING SYSTEMS INITIATIVE

Lessons Learned and Future Perspective.

Erastos Filios, European IMS Secretariat
Information Society and Media Directorate-General, European Commission, Brussels

In its first 10 years of existence, the Intelligent Manufacturing Systems (IMS) initiative - the world's only international multilateral collaborative R&D programme - involved research groups from Australia, Canada, the EU and Norway, Japan, Korea, Switzerland and the US. Most participant regions have signed up for the next 10 years. The scheme provides a global framework for industry and academia to co-operate on manufacturing R&D throughout the full innovation cycle and to identify partners world-wide. The programme's scheme for the protection of intellectual property has proven to be beneficial to industrial participants, particularly for small and medium-sized companies, for engaging safely in global collaborations. Surveys among participants in IMS projects show that such international collaboration proves beneficial beyond the mere R&D activity as it includes knowledge exchanges on business and market developments as well as extended business collaborations and better cross-cultural understanding. The European part of the IMS initiative between 1995 and 2005 was managed under the European Commission's research Framework Programmes 4, 5 and 6. Since the beginning of IMS, 37 R&D projects have been launched, most of them with European participation. These projects involve more than one thousand companies and research institutions world-wide and represent an international commitment level of around € 400 million (with € 100 million being European by the European Commission's research Framework Programmes). The presentation aims to describe the institutional and managerial mechanisms of this globally unique programme, to present a first assessment of the programme's impact in its first phase as well as its future scope.

We would like to thank:

- To all the institutions, enterprises, participants, authors, referees, program and organization committee members and student volunteers.
- To the Research Centre CCTC we belong, is a big responsibility and a great opportunity to organize the PRO-VE 2007. We are working in topics related with collaborative networks over the last years.
- To Professor José Neves our research group mentor for his help and support.
- To the Program Chair, Professor Luís Camarinha-Matos, who relied on us to carry on this task, for his expertise and contribution to the organization.

Paulo Novais and Cesar Analide

Organization chairs

COMPUTER SCIENCE DEPARTMENT

The Computer Science Department at University of Minho (DI-UM) is located in Braga (northwest of Portugal) and comprises 54 researchers, and 10 staff members.

The department's mission is to disseminate knowledge, both applied and fundamental, in the areas of computer science and information technologies, with a particular emphasis on Software Engineering's and Communications and Computer Networks.

These goals are accomplished by:

- * offering courses at all levels of University teaching (BSc, MSc, PhD, and post-doc)
- * developing R&D projects.

The courses taught at DI-UM enjoy a continued national recognition, which is expressed by the substantial demand both by prospective students and by major employers.

Research and development carried out by members of this department is done within the context of the CCTC research center, which is funded by FCT (the Portuguese national Science Foundation).

José Bernardo Barros

Head of the Computer Science Department

CCTC - COMPUTER SCIENCE AND TECHNOLOGY CENTER

CCTC is the University of Minho research unit in Computer Science.

The research activities cover a wide range of fundamental and applied research topics related to computer science and technology, organized into projects and with strong international partnerships.

The knowledge and technology amassed in these projects are disseminated by means of scientific publication, prototype development, and preparation of new generations of young scientists. Detailed information on CCTC's members, projects, and publications can be found on the CCTC Web Site.

cctc.di.uminho.pt

ABOUT GUIMARÃES

PRO-VE 2007 Conference takes place in Guimarães, a city in the north of Portugal, in the Minho region, approximately 350Km north of the capital, Lisbon, and about 50Km from the second largest city, Porto.

The city of Guimarães has its origin in times previous to the foundation of the Portuguese nationality, and represents more than just the simple birth of a city. Guimarães precedes and prepares the birth of Portugal in the 12th century, and represents the cradle where was born its prince and its Kingdom.



The city of Guimarães is like no other city in Portugal. Its past is so intimately intertwined with the History of Portugal that it is proudly referred to as the **Cradle of the Nation**.

Portugal was born here ("Aqui Nasceu Portugal").



The centre of Guimarães, a city classified as a UNESCO World Cultural Heritage. The city is associated with the emergence of the Portuguese national identity in the 12th century. An exceptionally well-preserved and authentic example of the evolution of a Medieval settlement into a modern town, its rich building typology exemplifies the specific development of Portuguese architecture from the 15th to 19th century through the consistent use of traditional building materials and techniques.

VILA FLOR



Steps from the heart of the city centre, classified as a UNESCO World Heritage site, is the Centro Cultural Vila Flor, a heralded new cultural space and a mark of refinement for the City of Guimarães. An architectural design project conceived from the ground up, the Centro Cultural Vila Flor is dedicated not only to providing a stage for the traditional range of shows in the performing arts, but also to making available all its high quality resources to create a multi-purpose space allowing for an even wider variety of events.

The Centro Cultural Vila Flor features two auditoriums, four meeting rooms, an exhibition area, a restaurant, the café-concerto (a café-live music space), a car park, and a garden – facilities that expand and strengthen the cultural and socio-economic opportunities for the City of Guimarães and the surrounding area, and in so doing, provides excellence for the hosting of any event.

PRO-VE 2007 Welcome Reception will take place in Centro Cultural Vila Flor.

Palace of the Dukes of Bragança (Paço dos Duques de Bragança)



The Paço dos Duques de Bragança, built in the 15th century by the then-future duke Dom Afonso, shows elements of architectural styles common in the great manor houses and palaces of northern Europe. In the 19th century, it served as a military barracks. In the mid-20th century, after a period of disuse and abandonment, the palace was renovated and saw new life as a museum displaying items from the 17th and 18th centuries. From its various collections are pieces that document Portuguese contributions during the Age of Discoveries, while others narrate events in the Conquest of North Africa. Also in the holdings are a collection of

arms from the 15th to the 19th centuries and furniture from the Post-Discoveries era. In addition to the Palace's role as a museum, its top floor also serves as an official residence of the President of the Portuguese Republic, should he decide to stay overnight in the north of the country. Palace of Dukes of Bragança hosts the PRO-VE 2007 Conference Dinner.

14:00 Parallel sessions

II. COLLABORATION ENVIRONMENTS CASES

Chair: *Silvio Carmo Silva*
Room: FLORES

SUPPORTING MOBILE VIRTUAL TEAM'S COORDINATION WITH SOA-BASED ACTIVE ENTITIES

Rubén Durio Franco, Rosa Navarro (SPAIN)
Andrés Neveam, Sergio Ochoa (CHILE)

COLLABORATIVE ENVIRONMENTS WORK: A CASE STUDY OF TEACHER TRAINING

Márcio Meirinhos, António Ovario (PORTUGAL)

A KNOWLEDGE SEARCH FRAMEWORK FOR COLLABORATIVE NETWORKS

Rui J. Tramontin Jr., Ricardo J. Rabelo (BRAZIL)

12. PROCESS INTEGRATION AND MANAGEMENT

Chair: *Ricardo Rabelo*
Room: SETE CIDADES

INTRODUCING A COLLABORATIVE BUSINESS MODEL FOR EUROPEAN ERP VALUE CHAINS OF SMEs

Ioannis Ignatiadis, Jonathan Briggs (UK)
Adomas Svinskas (LITHUANIA)

Kostas Bougionidis, Adamantios Koumpis (GREECE)

INTEGRATED CONSTRUCTION PROJECT MANAGEMENT SYSTEM BASED ON IFC AND ISO9001:2000

K. U. Göçke, Rainer J. Scheer (GERMANY)

H. A. Dikbas (TURKEY)

ENHANCING ENTERPRISE COLLABORATION BY USING MULTIFACETED SERVICES

Sadki Chaari, Chokri B. Amar (TUNISIA)
Sadki Chaari, Loubna Ali, Frédérique Bleunier, Joël Favret (FRANCE)

15:30 Coffee break

16:00 Parallel sessions

J1. ADAPTIVE COLLABORATIVE FRAMEWORKS

Chair: *Ana Almeida*
Room: FLORES

COLLABORATION AND ADAPTATION IN SCHEDULING

Ana Almeida, Gorette Marreiros, Constantino Martins (PORTUGAL)

VIRTUAL ORGANIZATIONS FOR MUNICIPALITIES

Malgorzata Pankowska (POLAND)

A SERVICE INFRASTRUCTURE TO SUPPORT UBIQUITOUS ENGINEERING PRACTICES

Yacine Rezgui, Benachir Medjdaoui (UK)

J2. WEB SERVICES AND FUSION

Chair: *Iraklis Paraskeakis*
Room: SETE CIDADES

APPLICATION OF THE FUSION APPROACH FOR ASSISTED COMPOSITION OF WEB SERVICES

Spiros Alexakis, Markus Bauer, Albina Paço, Alexa Schumacher, Andreas Friesen (GERMANY)

Athanasios Bouras, Dimitrios Kourtesis (GREECE)

SEMANTIC INTEGRATION OF BUSINESS APPLICATIONS ACROSS COLLABORATIVE VALUE NETWORKS

Athanasios Bouras, Panagiotis Gonvas, Dimitrios Kourtesis, Gregoris Mentzas (GREECE)

WEB SERVICE DISCOVERY IN A SEMANTICALLY EXTENDED UDDI REGISTRY: THE CASE OF FUSION

Dimitrios Kourtesis, Iraklis Paraskeakis, Panagiotis Gonvas, Athanasios Bouras (GREECE)

17:30 Closing session

18:00 SOCOLNET GENERAL ASSEMBLY

(only for members)

WEDNESDAY . 12 Sep 2007

09:00 Parallel sessions

G1. LEARNING AND INHERITANCE IN VO

Chair: Myrta Flores
Room: FLORES

TOWARDS LEARNING COLLABORATIVE NETWORKED ORGANIZATIONS

Leonardo Loss, Alexandra A. Pereira-Klein, Ricardo J. Rabêlo (BRAZIL)

IDENTIFICATION OF FORMS AND COMPONENTS OF VO INHERITANCE

Iris Karvonen, Iiro Salkari, Marja Ollas (FINLAND)

ESTABLISHING AND KEEPING INTER-ORGANISATIONAL COLLABORATION. SOME LESSONS LEARNED

Raül Rodríguez, Pedro Gómez, Rubén Darío Franco, Angel Ortiz (SPAIN)

G2. MODELLING FRAMEWORKS FOR COLLABORATIVE NETWORKS

Chair: Ovidiu Noran

Room: SETE CIDADES

TOWARDS AN ARCHITECTURE MODELING LANGUAGE FOR NETWORKED ORGANIZATIONS

Duk-H. Kim (KOREA)

EVOLVING VIRTUE

Alessandro D'Atri (ITALY)

Amithal Maitro (USA)

BUSINESS MODELLING FOR KNOWLEDGE NETWORKS

André Quadt, Heiko Dirlenbach (GERMANY)

WS2 - Visualising Dynamic Virtual Organisations <to be confirmed>

Chair: R. Wilson, R. Smith, M. Martin, B. Li, A. Wright

Room: Funchal

10:30 Coffee break

11:00 Parallel sessions

H1. TRUST ASPECTS IN COLLABORATION

Chair: Alexandra Klein

Room: FLORES

TOWARDS ESTABLISHING TRUST RELATIONSHIPS AMONG ORGANIZATIONS IN VBES

Simon S. Manjila, Hamideh Afsharmanesh (NETHERLANDS)

FOSTERING R&D COLLABORATION – THE INTERPLAY OF TRUST, APPROPRIABILITY AND ABSORPTIVE

CAPACITY

Pia Hammelmaa-Laukkonen, Kirsimarja Blomqvist (FINLAND)

TRUST BUILDING IN COLLABORATIVE NETWORKED ORGANIZATIONS SUPPORTED BY COMMUNITIES OF

PRACTICE

Leonardo Loss, Cláudio H. Schoors, Rosane M. Neves, Ilame L. Delany, I. S. Chudzikiewicz, Ana M. C. Vogt (BRAZIL)

H2. COLLABORATIVE PROCESS MODELS

Chair: Willy Picard

Room: SETE CIDADES

A CARTOGRAPHY BASED METHODOLOGY FOR COLLABORATIVE PROCESS DEFINITION

Vatcharaphun Rajsiri, Jean-Pierre Loré, Frédéric Bénabou, Hervé Pingaud (FRANCE)

INTERACTIVE USER-CENTERED BUSINESS PROCESS MANAGEMENT SERVICES

Roberto Ratti, Sergio Gasmeroli (ITALY)

WORKFLOW TECHNOLOGY SUPPORTING THE OPERATION OF VIRTUAL ISPs

Klaus-Peter Eckert, Jane Hall (GERMANY)

Henni-Jean Pollet (BELGIUM)

12:30 Lunch

Grupo de Fados e Serenatas da Universidade do Minho

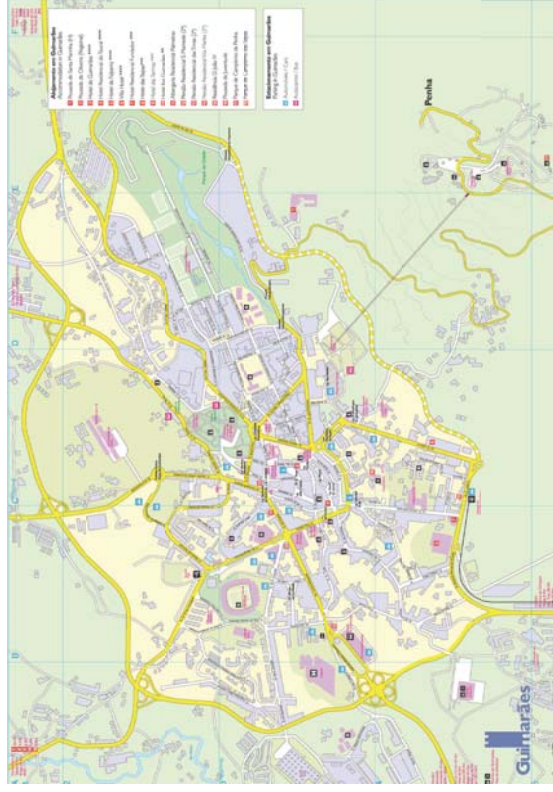
The taste for music, specially for Fado de Coimbra, along with the wish to continue academic traditions and to keep them from vanishing, have put this group together, the Grupo de Fados e Serenatas da Universidade do Minho.

Nowadays, this group is composed of five elements (two Portuguese guitars, two Spanish guitars and one male singer). These elements are former students of the University of Minho, but the group features two other singers: Dr. Jaime Leite and Dr. Vitor Barreto, that, in light of their huge experience, help enrich the group's knowledge. Our thanks go out to these two amazing people, these two wonderful singers and friends a special word to Dr. Jaime Leite that has been our mentor from the get-go. Born in February of 2002, the group had its première in the same year in Minho University's Serenata do Enterro da Gata. In spite of its tender age, this Group already presents an outstanding resumé, as it is a frequent performer at some of the most traditional academic festivals, cultural events, and city hall sponsored events and for charity.

In 2005 their first CD was released. It is entitled Tons de Sépia and it's the result of three long years of work.

In PRO-Ve 2007, during the conference dinner, the Grupo de Fados e Serenatas da Universidade do Minho will present you with you unique moments of traditional academic Fado.

CITY MAP



ESTABLISHING THE FOUNDATION OF COLLABORATIVE NETWORKS

On behalf of the International Program Committee I have the pleasure to introduce the Program of PRO-VE 2007.

Along its 8 editions, PRO-VE has been consolidating its position as the most focused scientific and technical conference on Collaborative Networks, offering a major opportunity for the presentation and discussion of the latest research developments and industrial practice case studies.

The number of submission has been increasing every year. For this edition, 73 papers were selected by the IPC, which correspond to an acceptance rate of 47.7%.

The papers to be presented at the conference provide a comprehensive overview of recent advances in various Collaborative Networks domains. There is a special emphasis on the CN topics related to trust aspects, performance and value systems, VO breeding environments, VO creation, e-contracting, collaborative architectures and frameworks, professional virtual communities, interoperability issues, business benefits, and case studies and applications in industry and services. Such advances represent a contribution for **establishing a sounder foundation for collaborative networks**, namely in terms of theoretical principles and formal models, capturing the concepts, entities, behaviors, and operations of the CNs, and developing technology-independent infrastructure architecture, tools and methodologies.

Two additional **workshops** on relevant issues for our discipline are also associated to the conference.

Therefore, we expect PRO-VE'07 to be a very successful event and hope that all delegates will enrich their knowledge as well as professional relationships.

I would like to take this opportunity to thank all authors and other contributors as well as the members of the IPC and OC for their dedication to this 'collaborative venture'.

Luis M. Camarinha-Matos

Chairman of the International Program Committee

WS1 – Cooperative Intelligent Transportation Systems

Organizer: A. Luis Osório - ISEL

Chair: Ana Paula Vitorino – Portuguese Secretary of Transports (*)

Room: FUNCHAL

Cooperative ITS: a moulding industry perspective

Joaquim Menezes – IBEROMOLDES; CENTIMFE

A Road Authority Perspective for a Cooperative ITS

António Rodrigues, EP, Estradas de Portugal

Cooperative Networked Innovation on ITS

João Bento, Sales Gomes; Rui Camolino – Brisa SA

Cooperative Vehicle Infrastructure Systems (CVIS)

Knut Evensen – Q-Free ASA

Global Value Chains – ICT as Competitive Advantage

João Quaresma Dias – ISEL; João Calado – IDMEC/ISEL

Cooperative Systems in the EU research Framework Programmes

Francisco Ferreira – EC DG INFISO

Discussion

* To be confirmed

16:00 Coffee break

16:30 Parallel sessions

F1. ELEMENTS OF BREEDING ENVIRONMENTS MANAGEMENT

Chair: Nathalie Galeano

Room: FLORES

ONTOLOGY ENGINEERING IN VIRTUAL BREEDING ENVIRONMENTS

Dora Simões, Hugo Ferreira, António Lucas Soares (PORTUGAL)

CAUSAL CROSS-IMPACT ANALYSIS AS STRATEGIC PLANNING AID FOR VIRTUAL ORGANISATION

BREEDING ENVIRONMENTS

Heiko Daini (GERMANY)

ASSESSING THE VALUE OF MEDIATORS IN COLLABORATIVE BUSINESS NETWORKS

Benjamin Rensmann, Hans Weigand, Zheng Zhao, Virginia Dignum, Frank Dignum, Marcel Hel (NETHERLANDS)

F2. e-CONTRACTING IN COLLABORATIVE NETWORK SCENARIOS

Chair: Francisco Andrade, José Neves

Room: SETE CIDADES

FUNDAMENTS OF VIRTUAL ORGANIZATION E-CONTRACTING

Lai Xu, Paul de Vriese (AUSTRIA)

INTELLIGENT CONTRACTING: SOFTWARE AGENTS, CORPORATE BODIES AND VIRTUAL ORGANIZATIONS

Francisco Andrade, Paulo Novais, José Machado, José Neves (PORTUGAL)

AGENT-BASED CONTRACTING IN VIRTUAL ENTERPRISES

Claudia Ceverini, Giuseppe Contissa, Migle Lanikyte (ITALY)

A LAWFUL FRAMEWORK FOR DISTRIBUTED ELECTRONIC MARKETS

Michael Conrad, Christian Fank, Oliver Raabe, Oliver Waldhorst (GERMANY)

F3. BUSINESS BENEFITS IN NETWORKS

Chair: Ingo Westphal

Room: FUNCHAL

DISTRIBUTION OF NETWORK GENERATED PROFIT BY CONSIDERING INDIVIDUAL PROFIT EXPECTATIONS

Hendrik Jahn, Marco Fischer, Tobias Teich (GERMANY)

AN ESTIMATION MODEL FOR BUSINESS BENEFITS IN HORIZONTAL COLLABORATIVE NETWORKS

Gregory Plot, Michel Pouty, Naoufel Chekrouhou, Remy Glardon (SWITZERLAND)

EXAMINING THE ANTECEDENTS TO INNOVATION IN ELECTRONIC NETWORKS OF PRACTICE

Eoin Whelan, Brian Donnellan, Gabriel Costello (IRELAND)

18:30 Guided visit to the historic center of Guimarães

20:30 Conference Dinner

Palace of the Dukes of Bragança (Paço dos Duques de Bragança)

D2. COLLABORATION NETWORK ANALYSIS

Chair: Antonio Volpentesta
Room: SETE CIDADES

NETWORK ANALYSIS BY THE CODESNET APPROACH

Dario Antonelli, Agostino Villa (ITALY)
ASSESSMENT OF COLLABORATIVE NETWORKS STRUCTURAL STABILITY

Vera Tolkaeva, Alexander Arkhipov (RUSSIA)

Dmitry Ivanov (GERMANY)

A DECISION SUPPORT FRAMEWORK FOR COLLABORATIVE NETWORKS

Ovidiu Norcan (AUSTRALIA)

D3. PRODUCT-ORIENTED COLLABORATION

Chair: Americo Azevedo

Room: FUNCHAL

MAINTAINING DYNAMIC PRODUCT DESIGNS TO ENABLE EFFECTIVE CONSORTIUM BUILDING IN

VIRTUAL BREEDING ENVIRONMENTS

Marcus Seifert, Klaus-Dieter Thoben (GERMANY)

DISTRIBUTED DESIGN OF PRODUCT ORIENTED MANUFACTURING SYSTEMS

Silvio do Carmo-Silva, Anabela C. Alves, P. Novais, Miguel Costa, C. Carvalho, Jorge Costa, M. Marques (PORTUGAL)

Alexander Mahl, Anatoli Semenenko, Jhika Ovcharova (GERMANY)

12:30 Lunch

14:00 Parallel sessions

E1. VO BREEDING ENVIRONMENT ENABLERS

Chair: Lai Xu

Room: FLORES

TOWARDS GOVERNANCE RULES AND BYLAWS FOR VIRTUAL BREEDING ENVIRONMENTS

David Romero, Jorge Giraldo, Nihalite Galeano, Arturo Molina (MEXICO)

ENABLING VIRTUAL ORGANIZATIONS IN A TECHNOLOGICAL DISTRICT

Antonio P. Volpentesta, Salvatore Annunziato (ITALY)

IN SEARCH FOR AN INNOVATIVE BUSINESS MODEL OR HOW TO BE SUCCESSFUL IN THE NOWADAYS

BUSINESS ENVIRONMENT

Branco Semolic (SLOVENIA)

THE ROLE OF UNIVERSITIES DEVELOPING NEW COLLABORATIVE ENVIRONMENTS; ANALYSING THE

VIRTUELLE FABRIK, SWISS MICROTECH AND THE TENET GROUP

Myrna, Flores, Claudio Boer, Charles Huber, Adrian Plus, Roger Schoch, Michel Pouly (SWITZERLAND)

E2. ARCHITECTURES FOR COLLABORATION

Chair: Angel Ortiz, Dario Franco

Room: SETE CIDADES

A GENERIC STRATEGIC LAYER FOR COLLABORATIVE NETWORKS

João Certo, Nuno Lou, Luis P. Reis (PORTUGAL)

A PRIVACY-BASED BROKERING ARCHITECTURE FOR COLLABORATION IN VIRTUAL ENVIRONMENTS

Abdulmalik Masoud-Watashi, Hamada Ghannima, Wenming Shen (CANADA)

VIRTUAL POWER PRODUCERS INTEGRATION INTO MASCEM

Isabel Praça, Higo Morais, Marílio Cardoso, Carlos Ramos, Zita Vale (PORTUGAL)

AGENT-BASED ARCHITECTURE FOR VIRTUAL ENTERPRISES TO SUPPORT AGILITY

Heli Helantokoski, Pivi Iskanius, Irina Peltonmaa (FINLAND)

MONDAY . 10 Sep 2007

08:30 REGISTRATION

09:00 OPENING SESSION

Room: FLORES

09:30 OPENING EVENT

Chair: Hamideh Afsharmanesh

Room: Flores

ATHENA – ACHIEVEMENTS IN INTER-ENTERPRISE INTEROPERABILITY

Rainer Ruggaber, SAP (Germany)

ECOLEAD – ACHIEVEMENTS IN COLLABORATIVE NETWORKED ORGANIZATIONS

Luis M. Camarinha-Matos, New University of Lisbon / Uninova (PORTUGAL)

THE INTELLIGENT MANUFACTURING SYSTEMS INITIATIVE

Erasmus Filto, European Commission (BELGIUM)

12:30 Lunch

14:00 Parallel sessions

A1. VO CREATION

Chair: Ron Waxman

Room: FLORES

A COMPUTER-ASSISTED VO CREATION FRAMEWORK

Luis M. Camarinha-Matos, Ana I. Oliveira (PORTUGAL)

Roberto Ratti (ITALY)

Damijan Demšar (SLOVENIA)

Fabiano Baldo (BRAZIL)

Toni Tarimo (FINLAND)

COLLABORATION OPPORTUNITY FINDER

Damijan Demšar, Igor Mozetič, Nada Lavrač (SLOVENIA)

AN ONTOLOGY-BASED APPROACH FOR SELECTING PERFORMANCE INDICATORS FOR PARTNERS

SUGGESTION

Fabiano Baldo, Ricardo J. Rabêlo, Rolando Y. Vallejos (BRAZIL)

MULTIPLE CRITERIA PARTNER SELECTION IN VIRTUAL ENTERPRISES

José A. Crispim, Jorge Pinho de Sousa (PORTUGAL)

A2. INTEROPERABILITY IN NETWORKS

Chair: Martin Ollus

Room: SETE CIDADES

TOWARDS SEAMLESS INTEROPERABILITY IN COLLABORATIVE NETWORKS

Claudio M. Chitic, César Toscano, Americo L. Azevedo (PORTUGAL)

BARRIERS DRIVEN METHODOLOGY FOR ENTERPRISE INTEROPERABILITY

David Chen, Nicolas Daclin (FRANCE)

AMBIENT INTELLIGENCE AND SIMULATION IN HEALTH CARE VIRTUAL SCENARIOS

António Abelho, Cesar Andrade, José Machado, José Neves, Manuel Santos, Paulo Novais (PORTUGAL)

COLLABORATION WITHIN THE TOOL-AND-DIE MANUFACTURING INDUSTRY THROUGH OPEN-SOURCE

MODULAR ERP/CRM SYSTEMS

Ali Imtiaz, Jannicke B. Hauge, Si Chen (GERMANY)

16:00 Coffee break

16:30 Parallel sessions

B1. PERFORMANCE AND VALUE SYSTEMS

Chair: *Michel Potly*
Room: FLORES

MEASURING COLLABORATION PERFORMANCE IN VIRTUAL ORGANIZATIONS

Ingo Wessphal, Klaus-Dieter Thoben, Marcus Seifert (GERMANY)

A CONCEPTUAL MODEL FOR VIRTUAL BREEDING ENVIRONMENTS VALUE SYSTEMS

David Romero, Nathalie Galeano, Arturo Molina (MEXICO)

TOWARDS A CONCEPTUAL MODEL OF VALUE SYSTEMS IN COLLABORATIVE NETWORKS

Luís M. Camarinha-Matos, Patricia Macedo (PORTUGAL)

B2. SOCIAL NETWORK ANALYSIS

Chair: *Dimitris Assimakopoulos*

Room: SETE CIDADES

SOCIAL NETWORK ANALYSIS OF TEAM DYNAMICS AND INTRA-ORGANIZATIONAL DEVELOPMENT IN AN

AEROSPACE FIRM

Kristie Ogilvie, Dimitris Assimakopoulos (FRANCE)

THE TACIT DIMENSIONS OF COLLABORATIVE NETWORK TRAFFIC

Stephen Doak (IRELAND)

Dimitris Assimakopoulos (FRANCE)

COLLABORATIVE SERVICES TO MAINTAIN ELECTRONIC BUSINESS RELATIONSHIPS

Peter Weiß, Stefan Klirk (GERMANY)

18:30 Welcome Reception

Cultural Center Vila Flor (Centro Cultural Vila Flor)

TUESDAY . 11 Sep 2007

09:00 Parallel sessions

C1. EVALUATION AND MANAGEMENT OF CSN -I

Chairs: *Xavier Boucher, Dario Antonelli*

Room: FLORES

ENGINEERING METHODOLOGY FOR ORGANISATION NETWORKS

X.Boucher, Ali Zaidat, L. Vincent (FRANCE)

A PROCEDURE FOR THE ANALYSIS OF INDUSTRIAL NETWORKS

Dario Antonelli, Brunella Caroleo, Teresa Taurino (ITALY)

THE EVALUATION OF COORDINATION POLICIES IN LOGISTICS SERVICES MARKETS

Vito Albino, Rosa M. Dangelico, Antonio M. Petruzzelli (ITALY)

C2. PROFESSIONAL VIRTUAL COMMUNITIES

Chair: *Peter Weiss*

Room: SETE CIDADES

SUPPORT FOR POWER IN ADAPTATION OF SOCIAL PROTOCOLS FOR PROFESSIONAL VIRTUAL

COMMUNITIES

Willy Picard (POLAND)

UNDERSTANDING USERS' RESPONSE TO ONTOLOGY BASED SYSTEMS IN THE CONTEXT OF AN

ENTERPRISE SPONSORED VIRTUAL COMMUNITY

Carla Pereira, Manuel Silva, Joana Fernandes, António Lucas Soares (PORTUGAL)

CONTINUOUS MANAGEMENT OF PROFESSIONAL VIRTUAL COMMUNITY INHERITANCE BASED ON THE

ADAPTATION OF SOCIAL PROTOCOLS

Willy Picard (POLAND)

C3. CUSTOMER INVOLVEMENT IN NETWORKS

Chair: *Iris Karvonen*

Room: FUNGHAL

VIRTUAL CUSTOMER COMMUNITIES: AN INNOVATIVE CASE FROM THE MEDIA INDUSTRY

Mia Kosonen, Hanna-K. Ellonen (FINLAND)

THE IMPACT OF CUSTOMER PARTICIPATION ON BUSINESS ECOSYSTEMS

Garyfallos Fragidis, Adamantios Koumpis, Konstantinos Tarcabanis (GREECE)

SUPPORTING COLLABORATIVE WORK THROUGH WIRELESS TECHNOLOGIES SUPPORT IN PATIENT

CENTRIC VIRTUAL ORGANIZATIONS (PCVOS)

Mohyuddin, W.A. Gray, Hazel Bailey, Dave Morrey (UK)

10:30 Coffee break

11:00 Parallel sessions

D1. EVALUATION AND MANAGEMENT OF CSN -2

Chairs: *XavierBoucher, Dario Antonelli*

Room: FLORES

BUSINESS MODELS FOR COLLABORATIVE PLANNING IN TRANSPORTATION: AN APPLICATION TO WOOD

PRODUCTS

Jean-François Audy, Sophie D'Amours (CANADA)

M. Römqvist (SWEDEN)

PROVIDING TRANSPARENCY IN THE BUSINESS OF SOFTWARE: A MODELING TECHNIQUE FOR SOFTWARE

SUPPLY NETWORKS

Shigeru Jansen, Sjaak Brinkkemper (NETHERLANDS)

Anthony Finkelstein (UK)

SYNERGY-FOCUS TO DEVELOP COMPLEX ADAPTIVE SYSTEMS WITHIN COLLABORATIVE NETWORK

ENVIRONMENT TO HEALTH PARADIGM <extra paper>

Aurelian M. Stanescu, Ioana Miha, Mihnea A. Moiseescu, Monica Voinescu, Otilia Cangea, Corina Jeremicic (ROMANIA)