

eChallenges e-2011 Final Programme

Florence - Italy

26 - 28 October 2011

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Introduction

The **eChallenges e-2011** Conference & Exhibition takes place 26 – 28 October in Florence, Italy. This is the twenty-first in a series of annual conferences supported by the European Commission, which bring together over 400 delegates from leading commercial, government and research organisations around the world to bridge the Digital Divide, by sharing knowledge, experience, lessons learnt and good practice.

Thematic areas addressed in the Conference Programme include ICT for Networked Enterprises, eGovernment and eDemocracy, eHealth, Technology Enhanced Learning, Intelligent Content, Living Labs, eInfrastructures, Smart and Virtual Organisations, Mobility & Security and Identity Management.

The reputation of the **eChallenges** Conference Series is based on its international perspective and its focus on high quality papers, discussion and networking. Opening and closing plenary sessions feature keynote government, business and research speakers sharing experience, insight and challenges for the future. Thematically focused parallel sessions provide coherence to a programme featuring an invigorating mix of business and government case studies, technical, legal and policy papers and interactive workshops.

The Community Building goals of **eChallenges e-2011** are to facilitate international research cooperation and successful exploitation of research results, to promote knowledge sharing between commercial, government and research organisations, to share experiences about the current state of global eAdoption at sectoral, national and regional levels, to identify new partners for proposals to be submitted under Framework Programme 7, to support International Cooperation and open up the European Research Area to the rest of the world.

Who will you meet at e-2011?

The **eChallenges** Conference Series attracts policy makers, practitioners and researchers from leading commercial, government and research organisations around the world. Participants include Ministers, Director-Generals, Vice-Presidents, senior & middle managers, professors & graduate students, project managers, software engineers and researchers.

eChallenges e-2011 provides a prestigious international forum to increase awareness of exploitable ICT research results and applications, whether funded privately or publicly. The Exhibition and National Pavilion provides an opportunity to showcase research results and applications through technology demonstrations and posters.

The eChallenges Community is open, inclusive and welcoming, providing an excellent networking environment to discuss problems and new ideas, share knowledge and experience, and obtain feedback from potential users.

The **eChallenges** Conference Series also provides a unique opportunity to identify partners and opportunities to cooperate in international research projects co-funded by the European Commission under the ICT Programme of FP7, as well as discussing proposal ideas with European Commission officials representing different units from DG INFSO.

The Venue

The **eChallenges e-2011** Conference & Exhibition takes place in the Sheraton Firenze, which is five kms from the city centre.

The Programme

The 3-day Conference Programme features an invigorating mix of business and government case studies, technical and policy papers and interactive workshops. As well as opening and closing Plenary Sessions, delegates may participate in over 48 thematically focused parallel sessions featuring different aspects of ICT for Networked Enterprises, eGovernment, eHealth, Technology Enhanced Learning, Intelligent Content, Living Labs, eInfrastructures, Smart and Virtual Organisations, Mobility & Security and Identity Management and International Collaboration. Session Chairs will ensure active discussions and facilitate delegate participation and networking.

The conference programme is complemented by a demonstration and exploitation focused Exhibition.

The Conference Programme is subject to change, and the **eChallenges e-2011** Organising Committee reserves the right to alter the contents, venue and/or speakers.

Networking Support

Networking is a key feature of the **eChallenges** Conference Series, and is facilitated in a number of practical ways. Paper and workshop sessions are designed to maximise knowledge sharing by providing time for interactive discussions during the Conference Programme itself. Coffee breaks take place in the Exhibition area to maximise exposure for technology demonstrations and posters, and to facilitate further discussion following paper and workshop sessions. Social events are designed to facilitate informal discussion.

A number of dedicated networking areas are provided at the venue to facilitate spontaneous meetings by small groups. Finally, the **Delegate Showcase** on the **eChallenges** portal (www.eChallenges.org) allows registered delegates, speakers & exhibitors to publish their own short profile (including research and commercial interests and a photograph), to facilitate networking before, during and after the Conference.

Security, Health and Safety

Please wear your name badge for all **e-2011** activities, as it is your identification and allows you access to all Conference facilities. Unfortunately, conferences and Exhibitions provide a tempting target for thieves, so please take care of bags, personal computers and other personal belongings.

The Organisers cannot accept any responsibility for losses incurred, or for personal health and safety. Delegates should ensure they have personal health insurance and take the usual care when exploring the City of Florence. If you or your partner have any special needs or requirements, please contact the Conference Secretariat well in advance of the event.

Hotel Accommodation

The Conference Organisers have negotiated special rates at the Conference venue (**Sheraton Firenze**).

By staying in the conference hotels, you will maximise networking opportunities with other conference delegates, presenters and exhibitors.

eChallenges e-2011 delegates are strongly recommended to book their accommodation online early, as Florence is busy the week the Conference takes place. While the Conference Organisers will try to accommodate delegates' first choice, rooms will be allocated on a first-come, first-served basis.

The most up to date information in relation to hotel availability is available on the **eChallenges** Portal (www.eChallenges.org).

Conference Dinner

The Organising Committee are pleased to announce that a **Conference Dinner**, kindly hosted by the Regione Toscana will be held on Wednesday 26 October.

It is necessary for all delegates to confirm participation at the Conference Dinner by 19 October.

Florence

Florence offers a rich tapestry of Renaissance art and architecture as well as shopping and relaxation opportunities. Delegates should visit Piazza della Signoria, Via Maggio and Via Tornabuoni in the old town. The Uffizi, Bargello, Pitti and Accademia house many of Florence's art and sculptor.

Delegates should also visit nearby Pisa, Siena, Lucca and San Gimignano in Tuscany.

Transport

The Amerigo Vespucci Airport is 4kms from the city centre, with flights provided by Air France, Alitalia, Brussels Airlines, Lufthansa and Swiss Airlines. The other option is Pisa Galileo Galilei Airport which is 80kms from Florence. There is a direct train to Florence Santa Maria Novella train station or bus service offered by Terravision.

The main train station is the Santa Maria Novella station, which is located in the city centre near the main tourist sites.

For delegates travelling by car, there is parking available at the conference venue, Sheraton Firenze, which is five kms from the city centre. Most of the tourist areas city centre is located in a limited traffic zone, controlled by short circuit cameras. The Sheraton provides a shuttle for guests who wish to visit the city centre.

Sponsorship Opportunities

e-2011 offers a variety of Sponsorship Opportunities to enhance your organisation's image with the international ICT research community. Prominent notice will be given to Sponsors on the Conference Portal, in the Exhibition area, promotional e-mails and press releases, together with other benefits and promotional opportunities.

Supporting Organisations for **e-2011** include the Regione Toscana.

A small number of high profile Sponsorship opportunities are available, with applications considered on a first-come, first-served basis. To request a Sponsorship Proposal, please contact

secretariat@eChallenges.org

Plenary Session Speakers



Stella Targetti
Vice President, Regional
Government of Tuscany



Giovanni Menduni
Director General
Comune di Firenze



Costantino Thanos
Research Director
ISTI-CNR

Keynote Speakers confirmed include:

- **Ms Stella Targetti**, Vice President of Regional Government of Tuscany
- **Mr Giovanni Menduni**, Director General, Comune di Firenze, Italy
- **Prof. Costantino Ciampi**, Director, L'Istituto di Teoria e Tecniche dell'Informazione Giuridica (ITTIG-CNR), Italy
- **Mr Costantino Thanos**, Research Director, Istituto di Scienza e Tecnologie dell'Informazione "A. Faedo" (ISTI-CNR), Italy

International Programme Committee

A distinguished Programme Committee has been formed to review and provide actionable feedback on extended abstracts, draft final papers and presentations, and chair sessions.

The **e-2011 Programme Committee** includes

- **Paul Cunningham**, IIMC, Ireland (Chair)
- **Dr. Ulf Blomqvist**, VINNOVA, Sweden
- **Miriam Cunningham**, IIMC, Ireland
- **Giorgio Da Bormida**, ELGI S.r.l, Italy
- **Kim Davis**, Research Council of Norway
- **Prof. Asuman Dogac**, Middle East Technical University, Turkey
- **Dr. Jens Eschenbaecher**, BIBA, Germany
- **Dr. Nenad Ivezic**, NIST, USA
- **Prof. Bernhard Katzy**, CeTIM, Netherlands
- **Man-Sze Li**, IC Focus, UK
- **Jesse B.T. Marsh**, Atelier Studio Associato, Italy
- **Ken McHugh**, Cognitive Edge, Singapore
- **Prof. Alvaro Oliveira**, Alfamicro Lda., Portugal
- **Prof. Stephan Raimer**, College of Cooperative Education Schleswig-Holstein (WAK-SH), Germany
- **Hans Schaffers**, Aalto University School of Economics & ESoCE Net, Netherlands
- **Peter Stanbridge**, Korora Limited, UK
- **Richard Stevens**, Italy
- **Prof. Volker Stich**, FIR at RWTH Aachen University, Germany
- **Prof. Roger Wallis**, Royal Institute of Technology, Sweden
- **Prof. Peter Weiss**, ISS International Business School of Service Management, Germany
- **Stefan Wesner**, HLRS, Germany
- **Prof. Jim Yip**, University of Huddersfield, UK

Organising Committee

- **Miriam Cunningham**, IIMC Ltd, Ireland
- **Paul Cunningham**, IIMC Ltd, Ireland



Conference Secretariat

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Conference Portal/Delegate Showcase

www.eChallenges.org



Wednesday,
October 26,
2011

09:00 Opening Plenary 1a

Chair: [Paul Cunningham](#), IIMC, Ireland

Welcome Address

Ms Stella Targetti, Vice President of Regional Government of Tuscany

ICT Initiatives in Florence

Giovanni Menduni, Director General, Comune di Firenze, Italy

The Role of Public Research in ICT Initiatives and its Impact on the Development of Semantic Web Challenges, e-Government Applications and Information Society

Costantino Ciampi, Director, L'Istituto di Teoria e Tecniche dell'Informazione Giuridica (ITTIG-CNR), Italy

A Vision for Global Research Data Infrastructures

Costantino Thanos, Istituto di Scienza e Tecnologie dell'Informazione "A. Faedo" (ISTI-CNR), Italy

10:30 Coffee Break : Exhibition & Networking

11:00 Session 2a: [eInfrastructures & Smart Grid - Issues](#)

Chair: [Maria Tsakali](#), European Commission, Belgium

PRACE - On the Way to a European Research Infrastructure

Florian Berberich, Forschungszentrum Juelich GmbH, Germany

Data-intensive Storage Services on Clouds: Limitations, Challenges and Enablers

Nikoletta Mavrogeorgi, ICCS/National Technical University of Athens, Greece

"Future Energy Grid" - Migration Paths into the Internet of Energy

Christian Daenekas, OFFIS, Germany

Use Cases, Challenges and Software Architecture of a Virtual Laboratory for Life Cycle Building Energy Management

Peter Katranuschkov, Dresden University of Technology, Germany

11:00 Session 2b: [eGovernment - Issues I](#)

Chair: [Jim Yip](#), University of Huddersfield, United Kingdom

Is there a Need for a Cloud Platform for European Smart Cities?

Julia Glidden, 21c Consultancy Ltd, United Kingdom

Introducing Cloud Computing in the German Public Sector

Klaus-Peter Eckert, Fraunhofer FOKUS, Germany

Studying the Implications of Cloud-based Delivery Models on Public IT Procurement: A Switching Cost Perspective

Andreas Nilsson, Stockholm University, Sweden

Auditing Issues for Cloud-based Business Services: a CRM Case Study

Jonathan Sinclair, SAP Research, United Kingdom

11:00 Session 2c: [Mobile Applications - Issues, Applications and Case Studies](#)

Chair: [Jens Eschenbaecher](#), BIBA, Germany

Leveraging Geo-tagged Media for Mobile eTourism – An Integrated Scenario

Alexandru Stan, IN2 Search interfaces development ltd., Germany

Wireless Backhauling in Intelligent Transportation Systems: Results from the IPERMOB project

Susanna Sudati, Intecs spa, Italy

The Intelligent Cargo Concept implemented in the EURIDICE architectural framework

Margherita Forcolin, Insiel S.p.A., Italy

11:00 [Workshop 2d: Smart Cities and the Future Internet](#)

Chair: [Hans Schaffers](#), Aalto University School of Economics & ESOCe Net, Netherlands

Future Internet and Living Labs Research Domain Landscapes: Filling the Gap between Technology Push and Application Pull in the Context of Smart Cities

Marc Pallot, INRIA, France

Smart Cities and the Future Internet: Towards a New Innovation Landscape. Results of the FIREBALL project

Hans Schaffers, Aalto University School of Economics & ESOCe Net, Netherlands

Developing a Policy Roadmap for Smart Cities and the Future Internet

Nicos Komninos, Aristotle University of Thessaloniki, Greece

11:00 Session 2e: [ICT for Networked Enterprise - Issues](#)

Chair: [Peter Weiss](#), ISS International Business School of Service Management, Germany

Technical B2B Interoperability of ERP systems based on UBL standard

Miroslav Ljubicic, Faculty of Organisational Sciences, Serbia

Efficient Implementation of Interoperable Business Processes by Model Transformation

Jürgen Göres, Software AG, Germany

From CRM to xRM: Managerial Trends and Technological Challenges on the Way to Anything Relationship Management

Johannes Britsch, Institut für Mittelstandsforschung / CAS Software AG, Germany

11:00 Session 2f: [Technology Enhanced Learning - Applications](#)

Chair: [Giorgio Da Bormida](#), ELGI S.r.l, Italy

Capturing Real World Activity: A Socio-Technical Approach

Stan Karanasios, University of Leeds, United Kingdom

Digital Economy Technologies for Canadian Productivity

Marc-Alain Mallet, National Research Council Canada, Canada

The e-Learning and Simulation-based Techniques in the Training given to the Aviation Engineering Staff

Małgorzata Perz-Osowska, Air Force Institute of Technology, Poland

MapQFTool, A Software Tool for National Qualifications Frameworks

Philippos Pouyioutas, University of Nicosia, Cyprus

12:30 Lunch: Exhibition & Networking

13:30 Session 3a: [eInfrastructures & Smart Grid - Applications](#)

Chair: [Ken McHugh](#), Cognitive Edge, Singapore

Towards a Common Conceptual Service Description Language: A Service Property Analysis for the Internet of Services

Gregor Scheithauer, Opitz Consulting, Germany

Adaptable and Distributed Program Execution

Daniel Rubio Bonilla, HLRS - Universität Stuttgart, Germany

E-Infrastructure Projects from a Bavarian Perspective: Potentials of Standardization

Silvia Knittl, Ludwig-Maximilians-Universität München, Germany

13:30 Session 3b: [eGovernment - Issues II](#)

Chair: [Kim Davis](#), Research Council of Norway, Norway

Best Practices on Inclusive e-Government: DIEGO-Digital Inclusive e-Governance

Miguel Alborg, IDI Eikon (DIEGO EU Project), Spain

Using Extended Personas to achieve Accessible ICT Solutions

Erlend Øverby, Karde AS, Norway

Towards a Model-Based Semantic e-Invoicing Standard for the Dutch Government

Jasper Roes, TNO, Netherlands

Accessible ICT-mediated Services for Older Users through Interactive TV: Opportunities, Challenges and Achievements

Johann Riedel, University of Nottingham, United Kingdom

Modelling Good Practices to Determine ICT Requirements for Environmental Policy: Lessons Learnt from the NESIS Project

Marina Monti, CNR, Italy

13:30 Workshop 3c: [IST-Africa - Supporting Sustainable Living Labs in Africa](#)

Chair: [Paul Cunningham, IIMC Limited, Ireland](#)

Supporting the Evolution of Sustainable Living Labs in Africa

Paul Cunningham, IIMC, Ireland

Living Lab Case Studies from Southern Africa

Miriam Cunningham, IIMC, Ireland

Evolution of Living Labs in Tanzania

Raphael Mmasi, Tanzania Commission for Science and Technology

Evolution of Living Labs in Burundi

Augustin Nsabyumva, Ministry of Higher Education and Scientific Research, Burundi

Evolution of Living Labs in Uganda

Maxwell Otim, Uganda National Council for Science and Technology

13:30 Workshop 3d: [Innovation Governance in Smart Cities - Open Innovation in the Public Sector](#)

Chair: [Esteve Almirall, ESADE Business School, Spain](#)

Managing Innovation in the Public Sector

Melissa Lee, FUNDACIÓN ESADE, Spain

Engaging Citizens – The Case of Crowdsourcing in Public Organizations

Esteve Almirall, FUNDACIÓN ESADE, Spain

Smart Cities: The Role of Public Innovation Intermediaries in Innovation Process of Local Governments

Tuba Bakici, ESADE Business School, Spain

13:30 Session 3e: [ICT for Networked Enterprise - Applications](#)

Chair: [Stephan Raimer, College of Cooperative Education Schleswig-Holstein \(WAK-SH\), Germany](#)

Validation of Innovative Extended Products for e-Mobility with Business Model Canvas

Jens Eschenbaecher, BIBA, Germany

Case Study Planning and Development of Efficient Technology Usage

Peter Laing, FIR at RWTH Aachen, Germany

Advanced ICT tool for the Energy Efficiency Optimisation in Manufacturing SMEs

Mikel Sorii, TECNALIA, Spain

13:30 Session 3f: [Technology Enhanced Learning - Case Studies I](#)

Chair: [Roger Wallis, Royal Institute of Technology, Sweden](#)

ICT Certification in Action: Positioning Methodology of e-Certs against e-CF

Peter Weiss, ISS International Business School of Service Management, Germany

TEL-Map Project: a Bridge across the Past, Present and Future Technology-Enhanced Learning

Fabrizio Giorgini, eXact learning solutions S.p.A., Italy

Identifying Weak Signals in Expert Discussions of Technology Enhanced Learning

Christian Voigt, Centre for Social Innovation, Austria

Teaching e-Commerce and Marketing Communication in Higher Education

Christian Persson, Stockholm University, Sweden

15:00 **Coffee Break: Exhibition & Networking**

15:30 Workshop 4a: [eContracting in the Clouds](#)

Chairs: [Maria Tsakali, European Commission, Belgium & Philipp Wieder, TU Dortmund University, Germany & Philipp Wieder, GWDG, Goettingen, Germany](#)

Closing the Gaps for e-Contracting in the Cloud

Philipp Wieder, GWDG, Goettingen, Germany

Legal Restraints and Security Requirements on Personal Data and Their Technical Implementation in Clouds

George Kousiouris, ICCS/NTUA, Greece

Use of Graphical Modelling, Semantics and Service Level

Agreements for High Performance Computing

Pierre Gilet, High Performance Computing Center Stuttgart, Germany

SLAs in Virtualized Cloud Computing Infrastructures with QoS Assurance

Tommaso Cucinotta, Scuola Superiore Sant'Anna, Italy

Business Application Governance in PaaS Context

Francesco D'Andria, Atos Origin, Spain

15:30 Session 4b: [eGovernment - eServices](#)

Chair: [Ulf Blomqvist, VINNOVA, Sweden](#)

How to Develop Shared Services across Administrative Levels in the European Union: An Insight into the Interest Group on Shared Services (IGSS)

Sylvia Archmann, EIPA – European Institute of Public Administration, Netherlands

A Goal Model for Open Social E-Services

Gustaf Juell-Skielse, Stockholm University, Sweden

X-services - eXtended Avatar-services with Integrated Human – driven Knowledge Management – A New Service Galaxy

Olov Forsgren, Borås University College, Sweden

15:30 Workshop 4c: [IST-Africa - Linking European & African Researchers](#)

Chair: [Paul Cunningham, IIMC Limited, Ireland](#)

ICT Initiatives & Research Capacity in Mauritius

Dan Faugoo, National Computer Board, Mauritius

ICT Initiatives & Research Capacity in Mozambique

Zauria Saifodine, INTIC, Mozambique

ICT Initiatives & Research Capacity in Lesotho

Lieketseng Tjokotsi, Ministry of Communications, Science and Technology, Lesotho

ICT Initiatives & Research Capacity in Kenya

Jacob Njagih, Ministry of Higher Education, Science and Technology, Kenya

ICT Initiatives & Research Capacity in Senegal

Almamy Konte, Ministere de la Recherche Scientifique, Senegal

ICT Initiatives & Research Capacity in Cameroon

Peter Mokube, National Agency for Information and Communication Technologies, Cameroon

15:30 Workshop 4d: [Smart Cooperative Mobility Services for Smart Cities](#)

Chair: [Marco Boero, Softeco Sismat SpA, Italy](#)

In-Time: Multimodal Real-Time Travel and Traffic Information to Improve Modal Choice and Energy Consumption in European Cities

Marco Boero, Softeco Sismat SpA, Italy

Multimodal Real-Time Traffic Information in Urban areas, Is the Future Cooperative? The Co-cities Project

Gerald Lamprecht, AustriaTech GmbH, Austria

Co-Operative Traffic Management Services for Smart Cities: Making Urban Transport More Environmentally Sustainable

Angela Spence, MIZAR Automazione S.p.A., Italy

First Results of a Scenario for Mobility Service Centers in a Smart City Environment

Stefan Wellsandt, BIBA - Bremer Institut für Produktion und Logistik, Germany

15:30 Session 4e: [ICT for Networked Enterprise and RFID - Case Studies](#)

Chair: [Jens Eschenbaecher, BIBA, Germany](#)

Real-time Processes with Smart Objects and Efficient Information Logistics

Theo Lutz, FIR at RWTH Aachen University, Germany

Applying COIN Services to the Cyprus Shipping Sector: Preliminary Results

Achilleas Achilleos, University of Cyprus, Cyprus

Enabling RFID Source-tagging on Case Level and Sharing Costs and Benefit

Theo Lutz, FIR at RWTH Aachen University, Germany

Automatic Document Tracing using the RFID Technology

Luca Martinelli, Unimore, Italy

15:30 Session 4f: [Technology Enhanced Learning - Case Studies](#)

Chair: [Stephan Raimer, College of Cooperative Education Schleswig-Holstein \(WAK-SH\), Germany](#)

Social Software for Social Inclusion: Aspirations, Realities and Futures

Thomas Fischer, Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany

Videoconferencing – Based Educational System - A Case Study

Vladimir Trajkovik, University Ss Cyril and Methodious, Macedonia, The Former Yugoslav Republic of

Transmedial Patterns and Design of Legal Serious Games: a Case Study

Nicola Lettieri, Isfol, Italy

Crisis Managers Making Strategic Decisions in the Near Real-life Training Environment of PANDORA: Evaluation Framework for Human Performance and User Experience.

Keith N. Strickland, UK Government Cabinet Office, United Kingdom



Thursday,
October 27,
2011

09:00 Session 5a: **Intelligent Content and Semantics - Applications**

Chair: **Peter Stanbridge**, Korora Limited, United Kingdom

Unlocking Wireless Sensor Networks

Ray Richardson, Daysha Consulting, Ireland

The HIPPOLYTOS Project: Semantic Search for Environmental Data

Andreas Abecker, disy GmbH, Germany

Using Cloud Computing to Increase the Usability of Distributed WEB GIS systems

Stephan Gruijters, TNO GEological survey of the Netherlands

Towards Reusable Service Units and Specifications in Collaborative Service Systems

Peter Weiss, ISS International Business School of Service Management, Germany

09:00 Session 5b: **eGovernment - Issues & Case Studies**

Chair: **Ulf Blomqvist**, VINNOVA, Sweden

The Cloverleaves of Social Media Challenges for e-Governments

Riitta Hellman, Karde AS, Norway

Predictable Web - A Holistic Approach to Web Accessibility and Universal Design

Erlend Øverby, Karde AS, Norway

Can ICT Solutions add Value for Elderly and their Care?

Hans Persson, Institute for Humane Technology, Sweden

The Trusted Identity Management Systems Based on Federated Identity Protocols -Social Perspective of 5A -

Masakazu Ohashi, Chuo University, Japan

09:00 Session 5c: **eHealth - Issues and Applications**

Chair: **Paul Cunningham**, IIMC Limited, Ireland

An Open eHealth Platform. Solutions for Medical Services of the Future.

Jaume Benseny, i2CAT Foundation, Spain

Enabling Semantic Interlinking of Medical Data Sources and EHRs for Clinical Research Purposes

Efthymios Chondrogiannis, ICCS/NTUA, Greece

Central Hospital Appointment System Evaluation of Pilot Implementation

Sait Sevinc, The Ministry of Health, Turkey

09:00 Session 5d: **Living Labs - Issues**

Chair: **Hans Schaffers**, Aalto University School of Economics & ESOCe Net, Netherlands

User-Led Mobile Learning Lab

Piotr Krawczyk, JAMK University of Applied Sciences, Finland

Living Labs – Real-World Experiments to Support Open Service Innovation

Anna Ståhlbröst, Luleå University of Technology, Sweden

Cross Border Living Labs Networks to Support SMEs Accessing New Markets

Pieter Ballon, IBBT & Vrije Universiteit Brussel, Belgium

Macro-Regional Living Lab Innovation Systems

Jesse Marsh, Atelier Studio Associato, Italy

09:00 Workshop 5e: **WS - Global e-Business Interoperability Test Bed – Architecture and Governance**

Chair: **Christine Legner**, Université de Lausanne, Switzerland

Architectural Recommendations for e-Business Global Interoperability Test Bed

Jacques Durand, Fujitsu America, Inc., United States

Application in e-Health and Public Procurement

Oriol Bausà, Invinet Sistemas 2003, Spain

Alternative Architectures and Business Models for e-Business Global Interoperability Test

Yildiray Kabak, Software Research and Development and Consultancy Ltd., Turkey

09:00 Session 5f: **Security and Identity Management - Issues**

Chair: **Richard Stevens**, -, Italy

Application of XACML Policies in a Multi-tenant Cloud System

Kanchanna Ramasamy Balraj, Engineering Ingegneria Informatica Spa, Italy

Content-Centric Approach For A Secure And Trusted E-Profile Management

Stefano Turchi, CNIT, Italy

Usability and Accessibility of Personal Identification Management Systems in Electronic Services

Till Halbach Røssvoll, Norwegian Computing Center, Norway

User Insecurity and Personal Data Privacy

Sandra Winfield, University of Nottingham, United Kingdom

10:30 **Coffee Break: Exhibition & Networking**

11:00 Session 6a: **Intelligent Content and Semantics - Applications II**

Chair: **Ken McHugh**, Cognitive Edge, Singapore

Virtual User Models – Approach and First Results of the VICON Project

Michael Lawo, Universitaet Bremen, Germany

Augmented Simulated Experiential Learning; The ImREAL Approach

Lucia Pannese, Imaginary srl, Italy

A System for Synergistically Structuring News Content from Traditional Media and the Blogosphere

Nikos Sarris, Athen Technology Centre, Greece

Growth of Software in a Changing Environment

Ken McHugh, Cognitive Edge, Singapore

11:00 Session 6b: **eGovernment - Case Studies II**

Chair: **Giorgio Da Bormida**, ELGI S.r.l, Italy

Exploring Excellent Research Capacities in the Caribbean: the EUCARINET project

Fabio Nascimbeni, MENON Network, Belgium

The MPC Research Community: An Untapped Resource for Europe

Raphael Koumeri, PLANET, Greece

Design of Horizontal Data Integration

Inita Kindzule, Riga City Council, Latvia

A Citizen Centric Model for Public-Private Partnerships

Ulf Hedestig, Umea University, Sweden

Open Data: implications for the provision of Dutch government transport data

J.P.S. van Grieken, University of Groningen / TNO, Netherlands

11:00 Session 6c: **eHealth - Applications**

Chair: **Richard Stevens**, Italy

The CHRONIOUS Ontology-Driven Search Tool: Enabling Access to Focused and Up-to-Date Healthcare Literature

Franca Giannini, CNR, Italy

AsTeRICS: Assistive Technology for All

Konstantinos Kakousis, University of Cyprus, Cyprus

BRAIN: Developing Brain Computer Interfaces with Rapid Automated Interfaces for Non Experts

Suzanne Martin, University of Ulster, United Kingdom

11:00 Session 6d: **Living Labs - Case Studies**

Chair: **Alvaro Oliveira**, Alfamicro, Lda., Portugal

Towards a Conceptual Model of Knowledge-Social-Business Actualisation - the Case of the IoT Green Services Living Lab

Johann Riedel, University of Nottingham, United Kingdom

Open Innovation Mechanisms for Future Internet services in Smart Cities

Andrea Rossi, Atos Origin, Spain

Comparing the Enterprise Integration Center with the Concept of Living Labs

Peter Laing, FIR at RWTH Aachen, Germany

Social Validation of INSPIRE in the Madonie Park

Jesse Marsh, Atelier Studio Associato, Italy

SAVE ENERGY: Energy Efficiency through User Behaviour Transformation

Alvaro Oliveira, Alfamicro, Lda., Portugal

11:00 Workshop 6e: **User at the Centre: Analysis of Strength and Opportunities Offered by Existing Solutions**

Chair: **Francesco Niglia, Studio Francesco Niglia, Italy**

Building the User Centricity Within the NET-EUCEN Network

Laura Schina, Innova SpA, Italy

User-centric eGovernment

Lasse Berntzen, Vestfold University College, Norway

The User Centered Mindset and its Applicability in eGovernment Initiatives

Laura Schina, Innova SpA, Italy

The Birmingham Worklessness Co-Design Pilot – A Use Case for User Centricity

Francesco Niglia, Studio Francesco Niglia, Italy

11:00 Workshop 6f: **Easy e-Collaboration Services for Small Companies and their Ecosystems**

Chair: **Flavio Bonfatti, University of Modena and Reggio Emilia, Italy**

Ecosystem Shaping, support for the conception of extended value networks

Peter Stuer, Spikes nv, Belgium

A Development Method for Ontology Based Business Processes

Katalin Ternai, Corvinus University of Budapest, Hungary

Ontology based workflow architecture implementation for SMEs - case study

Mátyás Török, Corvinus University Budapest, Hungary

Reactive Planning and Scheduling in Clusters of Small Companies

Flavio Bonfatti, University of Modena and Reggio Emilia, Italy

12:30 Lunch: Exhibition & Networking

14:00 Session 7a: **Intelligent Content and Semantics - Case Studies**

Chair: **Peter Stanbridge, Korora Limited, United Kingdom**

Semantics Technology to Exploit Digital Content Exposed as Linked Data

Monica De Martino, National Research Council, Italy

SEMTOUR: an Infrastructure to Manage Semantic Services Composition

Germán Herrero, Atos Spain, Spain

Linked Open Data and Cloud-Based Analytics - Enabler for Corporate Social Responsibility

Margarete Donovang-Kuhlisch, IBM Deutschland GmbH, Germany

A Frame-Based Representation of Citizen's Queries for the Web 2.0. A Case Study on Noise Nuisances

Meritxell Fernández-Barrera, Cersa, CNRS-Paris2, France

The Power of Self Signification and Indexing of Content

Peter Stanbridge, Korora Limited, United Kingdom

14:00 Workshop 7b: **WeGov : Where e-Governance meets e-Society**

Chair: **Paul Walland, IT Innovation Centre, United Kingdom**

Social Networking Technology meets the Policy World: A Hands-on Workshop Challenging the Interface between e-Governance & e-Society

Scope of Workshop

Vasilis Koulolias, Gov2u, Greece

WeGov – Project Overview

Paul Walland, IT Innovation Centre, United Kingdom

Objectives & mission of the WeGov Project

Steve Taylor, University of Southampton, United Kingdom

The Use Case Context for WeGov – An Overview of Stakeholder Engagement

Timo Wandhoefer, GESIS - Leibniz Institute for the Social Sciences, Germany

Hands-on Demonstration of WeGov Toolkit – Current Prototype

Open Discussion

14:00 Session 7c: **eHealth - Case Studies I**

Chair: **Richard Stevens, Italy**

Evolution of the Turkish National Health Information System

Ayşe Gül Avci, Ministry of Health Turkey, Turkey

Improving Patient Safety with an e-Notification System

Arso Savanovic, Smart Com, Slovenia

Get well sooner: Benefits of efficient content management - UZ Leuven patient portal myUZ

Johan Verhaegen, Human Interface Group, Belgium

Management, Monitoring and Supporting Dementia Patients at Home by ALADDIN

Silke Cuno, Fraunhofer FOKUS, Germany

14:00 Workshop 7d: **Periphèria - Smart Cities**

Chair: **Jesse Marsh, Atelier Studio Associato, Italy**

IoT for Smart Cities: the Periphèria Contribution

Jesse Marsh, Atelier Studio Associato, Italy

The Territorial Dimension of Living Lab Approaches: Starting The European “Participant Observatory”

Grazia Concilio, Politecnico Di Milano, Italy

Initial Results of a Campus Case Applying Smart Mobile Technologies

Stefan Wellsandt, BIBA - Bremer Institut für Produktion und Logistik, Germany

14:00 Session 7e: **Digital Libraries and Cultural Heritage - Applications I**

Chair: **Roger Wallis, Royal Institute of Technology, Sweden**

IMPACT: Building a Centre of Competence in Text Digitisation

Hildeles Balk - Pennington de Jongh , Koninklijke Bibliotheek, Netherlands

KEEP: A Project for Long-term preservation, Access and Rendering of Digital Objects based on Emulation

Guillaume Badou Barthélemy, Bibliothèque Nationale de France, France

New Technologies for Flexible Digital Libraries

Marco Bertini, MICC - Università di Firenze, Italy

Mediaeval Legal Manuscripts Multi-layer Platform

Monica Palmirani, University of Bologna, Italy

Models for Metadata Repository Management using Semantic Social Software

Cornelia-Flavia Veja, Technical University of Cluj-Napoca, Romania

14:00 Workshop 7f: **Innovation Support Measures for SMEs - Do they really work?**

Chair: **Tanja Vos, Universidad Politecnica de Valencia, Spain**

Recommendations of the European Experts' Panel on Research by SMEs - MAPEER SME Results

Julian Seseña, ROSE Vision, Spain

15:30 Coffee Break: Exhibition & Networking

16:00 Session 8a: **Networked, Smart and Virtual Organisations - Issues**

Chair: **Maria Tsakali, European Commission, Belgium**

Measuring Business Effects based on Data and Information Quality Management Efforts

Marcel Scheibmayer, FIR at RWTH Aachen University, Germany

Next Generation Entrepreneur: How Web 2.0 Technologies Creep into SMEs

Dimitri Gagliardi, Manchester Institute of Innovation Research, United Kingdom

Web-based Community for Emergency Response in Smart City

Tatiana Levashova, St.Petersburg Institute for Informatics and Automation of RAS, Russian Federation

Describing and Identifying Business Models from Generic Value Chains for Technology Systems

Daniel Field, Atos, Spain



Friday,
October 28,
2011

16:00 Workshop 8c: **Care Becoming Smart Through ICT; an Interdisciplinary Approach**

Chair: **Jan Van Ooteghem, Ghent University - IBBT, Belgium**

Scaling up the Evidence: Sustainable Models for eHomeCare

Jan Van Ooteghem, Ghent University - IBBT, Belgium

TV Kiosk: New Wine in Old Vessels to Empower Care Dependent Digital Outsiders

An Jacobs, Vrije Universiteit Brussel, Belgium

Building Sustainable Health Capital Using Digital Resources in Clinic Waiting Rooms

Debbie Keeling, University of Manchester, United Kingdom

Open Innovation and Co-creation as Drivers for Valorisation Opportunities in the Care Sector

Freek Van Baelen, Ghent University, Belgium

16:00 Workshop 8d: **CONCORD - Future Internet PPP Matchmaking Session**

Chair: **Jesse Marsh, Atelier Studio Associato, Italy**

FI PPP Use Cases

Overview of ENVIROFI FI PPP Project

Paolo Mazzetti, CNR, Italy

Overview of OUTSMART FI PPP Project

Francesco De Pellegrini, Create-Net, Italy

User Community Presentations

Ricardo Stocco, Archeometra, Italy

Maurizio Megliola, Polymedia, Italy

16:00 Session 8e: **Digital Libraries and Cultural Heritage - Case Studies**

Chair: **Kim Davis, Research Council of Norway**

The Challenges and Potential Benefits of Establishing Academic eBook Libraries in the Cloud

Wei Shen, Leibniz Institute for the Social Sciences, Germany

Web Archiving Using a Collaborative Archiving Services Testbed

Ingemar Andersson, LDP Centre, Sweden

Europeana API – Example of Use in Polish Digital Libraries

Marcin Werla, IChB PAN PCSS, Poland

Europeana Regia: A Digital Collaborative Library of Royal

Manuscripts in Medieval and Renaissance Europe

Matthieu Bonicel, Bibliothèque nationale de France, France

09:00 Session 9a: **Networked, Smart and Virtual Organisations - Applications**

Chair: **Peter Weiss, ISS International Business School of Service Management, Germany**

Business Modelling as a strategic approach to business development

Stephan Raimier, College of Cooperative Education Schleswig-Holstein (WAK-SH), Germany

The Economics and Innovation Potential of Utility Services in ICT

Sergio Gusmeroli, TXT e-Solutions SPA, Italy

Cloud-based Manufacturing-as-a-Service environment for customised products

Ursula Rauschecker, Fraunhofer IPA, Germany

Collaboration Partner Informedness – A Service Enhanced by Future Integration with BPM Technology

Heiko Thimm, Pforzheim University, Germany

09:00 Workshop 9b: **Semantic Technologies for Open Government - STOG 2011**

Chair: **Maria Angela Biasiotti, ITTIG/CNR, Italy**

Mobile Phones, Images, Hashtags: Mobile Activism and Public Participation

Marta Poblet, ICREA-IDT Universitat Autònoma de Barcelona, Spain

Towards a Global eDiscovery Standard

Antoni Roig, IDT (Institute of Law And Technology), Spain

Dialogue and Data. A Relational Model for Governance and Law

Pompeu Casanovas, Universitat Autònoma de Barcelona (UAB), Spain

Online Mediation Consumer Tools: MediWeb and MediApp

Jorge Gonzalez-Conejero, Institute of Law and Technology, Spain

09:00 Workshop 9c: **Tools and Methodologies for Technical Roadmap Development**

Chair: **Marco Taisch, MIP-Politecnico di Milano, Italy**

Finding the Way through the Roadmapping Information Space. ActionPlanT_KnowMap, a Semantic Web Platform for Efficient Roadmapping Development

Sonja Pajkowska Goceva, Fraunhofer IPK, Germany

STEEP Analysis as a Tool for Building Technology Roadmaps

Mourad Messaadia, Université de Technologie de Compiègne, France

09:00 Workshop 9d: **eParticipation for Local Communities (PARTERRE)**

Chair: **Angelo Marcotulli, Regione Toscana, Italy**

Case Studies of Living Lab Engagements in Northern Ireland

Brian Cleland, University of Ulster, United Kingdom

10:30 Coffee Break: Exhibition & Networking

11:00 Workshop 10a: **Enhancing Innovations in Pre-commercial Public Purchasing Process**

Chair: **Suzan Ikävalko, Culminatum Innovation Oy Ltd, Finland**

The Roadmap to Enhancing Innovation by Pre-commercial Procurement

Irina Zalisova, EPMA, Czech Republic

User based Pre-commercial Purchase

Max Rolfstam, University of Southern Denmark, Denmark

Pre-commercial Procurement Best Practices in European eEnergy Sector

Alvaro Oliveira, Alfamicro, Lda., Portugal

11:00 Workshop 10b **Semantic Technologies for Open Government
- STOG 2011**

Chair: **Pompeu Casanovas, Universitat Autònoma de Barcelona (UAB),
Spain**

**A Contextualised Ontology of the Consumer Law: Bridging
Specialised and Common-sense Knowledge through Contextual
Schemes**

Meritxell Fernández-Barrera, Cersa, CNRS-Paris2, France

**Thesaurus Mapping for Promoting Semantic Interoperability of
European Public Services**

Enrico Francesconi, ITTIG-CNR, Italy

Towards a European Legal Data Cloud

Tommaso Agnoloni, CNR, Italy

11:00 Workshop 10c: **The Citizen Information Services for Reducing
Citizens' Burdens in the Online Public Administration**

Chair: **Peplluis de la Rosa i Esteva, Universitat de Girona, Spain**

**Linea Amica - an Integrated and Multichannel Citizens
Information Service**

Salvatore Marras, FormezPA, Italy

**Case study - Piloting ISAC system in Prato City Council Context:
approach, expectations and evaluation methodology**

Paolo Boscolo, Comune di Prato, Italy

**Reduction of Administrative Burden - Trends, Outlooks,
Prospects for Public Administration**

Sylvia Archmann, EIPA – European Institute of Public Administration,
Netherlands

11:00 Workshop 10d: **eParticipation for Local Communities (PARTERRE)**

Chair: **Francesco Molinari, PARTERRE Project, Italy**

Presenters details will be published during October

12:30 Closing Plenary 11a: Closing Ceremony

13:00 Lunch: Exhibition & Networking

**This Programme is accurate as at 17 October
2011.**

The Conference Programme is subject to change at the
discretion of the International Programme Committee
Chair. You should always refer to the Conference
Portal for the most up to date information.

Registration Information

It is necessary for all **eChallenges e-2011** delegates to register separately online. Please use your existing log-in details for Online Registration.

Conference Fees

Authors Fees (Due by 18 July)

- Authors - EU New Member States (1), EU Candidate Countries (2) and Developing Countries (3) **€400**
- Authors - All countries except EU New Member States (1), Candidate Countries (2) and Developing Countries (3) **€500**

Please note that the author fee is only available to accepted presenters in the Programme (**one presenter per paper**). Co-authors who wish to participate should register as Delegates.

Delegates' Fees - Early Bird (Due by 31 July)

- Early Bird - EU New Member States (1), EU Candidate Countries (2) and Developing Countries (3) **€540**
- Early Bird - All countries except EU New Member States (1), Candidate Countries (2) and Developing Countries (3) **€590**

Delegates' Fees - Full Fee from 01 August

- Delegate Full Price **€695**

The Conference Fee includes:

- Entrance to all plenary and parallel sessions
- Entrance to Exhibition
- Documentation with proceedings on CD-Rom
- Three luncheons and refreshments at morning and afternoon breaks

EU New Member States (1) Cyprus, Czech Republic, Estonia, Hungary, Latvia, Lithuania, Malta, Poland, Slovakia, Slovenia, Bulgaria, Romania

EU Candidate Countries (2) Croatia, Turkey

Developing Countries (3) **Africa** (Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroun, Cape Verde, Central African Republic, Chad, Comoros, Congo (Republic of), Congo (Democratic Republic of), Djibouti, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea Bissau, Ivory Coast, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mali, Mauritania, Mauritius, Mozambique, Namibia, Niger, Nigeria, Rwanda, Sao Tome & Principe, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, Sudan, Swaziland, Tanzania, Togo, Uganda, Zambia and Zimbabwe)

Asia (Bangladesh, Bhutan, Brunei, Cambodia, China, India, Indonesia, Laos, Malaysia, Maldives, Mongolia, Nepal, Pakistan, Philippines, Singapore, Sri Lanka, Thailand, Vietnam)

Caribbean and Pacific Countries (Antigua and Barbuda, Bahamas, Barbados, Belize, Cuba, Dominica, Dominican Republic, Grenada, Guyana, Haiti, Jamaica, St. Kitts & Nevis, St. Lucia, St. Vincent, Suriname, Trinidad & Tobago, Cook Islands, East Timor, Federated States of Micronesia, Fiji, Kiribati, Marshall Islands, Nauru, Niue, Palau, Papua New Guinea, Samoa, Solomon Islands, Tonga, Tuvalu, Vanuatu)

Latin America (Argentina, Bolivia, Brazil, Chile, Colombia, Costa Rica, Ecuador, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama, Paraguay, Peru, Uruguay, Venezuela)

Mediterranean Partner Countries (Algeria, Egypt, Israel, Jordan, Lebanon, Morocco, Syrian Arab Republic, Tunisia, West Bank & Gaza Strip)

Russia & NIS (Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan,

Kyrgyzstan, Moldova, Russia, Tajikistan, Turkmenistan, Ukraine, Uzbekistan)

Western Balkan Countries (Albania, Bosnia-Herzegovina-Croatia, Former Yugoslav Republic of Macedonia, Serbia & Montenegro)

Terms & Conditions

1. All authors who are presenting a paper or making an oral presentation at **eChallenges e-2011** must complete payment registration online by **18 July**, prior to publication of the Final Programme.
2. In the case where a paper is jointly authored, the **presenter** of the paper is considered to be the author/presenter from a payment registration point of view. All co-authors are considered to be **delegates**.
3. Accepted Exhibitors (other than accepted presenters) must complete payment registration by **16 September**.
4. Delegates' fees must be paid before admission to the Conference and Exhibition.
5. There are **no refunds for cancellations** but substitutions may be made at any time prior to the event by contacting the Conference Secretariat.
6. Each individual must be registered separately on the **eChallenges e-2011** Conference portal.
7. Payment may be made by bank transfer or credit card (with some restrictions). Payments made by bank transfer must be **net of any bank charges** and the payment instruction should refer to "**eChallenges e-2011** Conference", your name, organisation and invoice number (if relevant).
8. Receipts are automatically issued electronically upon receipt of payment. If your organisation requires an invoice to process payment registration by bank transfer, please contact the Conference Secretariat.
9. Conference registration or hotel accommodation is not confirmed until full payment is received.
10. Online registration facilitates conference registration and booking of hotel accommodation. It is possible to go back through online registration at any stage, book items not previously confirmed (such as accommodation) and complete payment.
11. The Registration Desk will open on Tuesday 25 October from 17:00 to 19:00 and will remain open during normal Conference hours from 08:00 on Wednesday 26 October.



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Exhibition

eChallenges e-2011 features an Exhibition, which provides the opportunity to showcase innovative research results and applications through technology demonstrations, whether funded commercially or at national, regional or European level.

Demonstration Stands

Stand Name	Organisation	Country
BonFire	Atos Origin	Spain
CEMSDI NET-EUCEN	INNOVA SpA	Italy
EuroRIs Net	Institute of Fundamental Technological Research	Netherlands
iSAC	iSAC6+ project / Universitat de Girona	Spain
IST-Africa Initiative	IST-Africa Consortium	Africa
The European Grid and eScience	European Grid Infrastructure, EGI.eu	Netherlands
The PANDORA.jar – An Advanced Training Environment for Crisis Managers	XLAB d.o.o	Slovenia

Conference Portal & Delegate Showcase
www.eChallenges.org