

eChallenges e-2011

Advance 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 650 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 50 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).

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

Plenary Speakers will be confirmed during early September

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: Opening Plenary

Plenary Speakers will be published during September

11:00 Coffee Break : Exhibition & Networking

11:30 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

Cloud Computing: Legal Issues in Centralized Architectures
Primavera De Filippi, European University Institute, Italy

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

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

"Future Energy Grid" - Migrationpaths into the Internet of Energy

Christian Daenekas, OFFIS, Germany

11:30 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

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

11:30 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

11:30 **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

11:30 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

11:30 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

Przemyslaw Madrzycki, Air Force Institute of Technology, Poland

MapQFTool, A Software Tool for National Qualifications Frameworks

Philippos Pouyioutas, University of Nicosia, Cyprus

13:00 Lunch: Exhibition & Networking

14:00 Session 3a: [eInfrastructures & Smart Grid - Applications](#)

Chair: [tbc](#)

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

14:00 Session 3b: [eGovernment - Issues II](#)

Chair: [Kim Davis, Research Council of 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

Jack Verhoosel, TNO Information and Communicationtechnology, Netherlands

Accessible ICT-mediated services for older users through interactive TV: opportunities, challenges and achievements

Rob Edlin-White, 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

14:00 Workshop 3c: [IST-Africa - Linking European & African Researchers I](#)

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

Presenters details will be published during early September

14:00 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, ESADE Business School, Spain

Engaging Citizens – The Case of Crowdsourcing in Public Organizations

Esteve Almirall, ESADE Business School, Spain

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

Tuba Bakici, ESADE Business School, Spain

14:00 Session 3e: [ICT for Networked Enterprise - Applications](#)

Chair: [tbc](#)

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 - Research Institute for Rationalization and Operations Management at Aachen University, Germany

Advanced ICT tool for the Energy Efficiency Optimisation in Manufacturing SMEs

Mikel Sorli, TECNALIA, Spain

14:00 Session 3f: [Technology Enhanced Learning - Case Studies I](#)

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

TEL-Map Project: A Bridge across the Past, Present and Future T.E.L.

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

ICT Certification in Action

Peter Weiss, FZI Forschungszentrum Informatik, Germany

Identifying Weak Signals in Expert Discussions of Technology Enhanced Learning

Christian Voigt, Centre for Social Innovation, Austria

Knowledge Building: International Dynamics, Partnerships, and Strategies for Implementation of Technology-enhanced Collaborative Learning Environments for Cloud Computing with Constructivism Underpinnings in Elementary and Secondary Classrooms

Sandra Lund, Knowledge Building in Action, United States

15:30 **Coffee Break: Exhibition & Networking**

16:00 Workshop 4a: [eContracting in the Clouds](#)

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

Closing the Gaps for e-Contracting in the Cloud

Philipp Wieder, TU Dortmund University, Germany

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

George Koussioris, 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

16:00 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

16:00 Workshop 4c: [IST-Africa - Linking European & African Researchers II](#)

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

Presenters details will be published during early September

16:00 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

Alexander Froetscher, AustriaTech, Austria

Co-operative traffic management services for smart cities: making urban transport more environmentally sustainable

Angela Spence, MIZAR Automazione, 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

16:00 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

16:00 Session 4f: [Technology Enhanced Learning - Case Studies](#)

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

Videoconferencing – based Educational System - A Case Study

Vladimir Trajkovik, University Ss Cyril and Methodios, Macedonia

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

Mashing up the Learning Environment - Evaluating a Widget-based Approach to Constructing the Learning Environment

Fredrik Paulsson, Umeå University, Sweden



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, Enterprise Ireland, 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 Gruiters, TNO GEological survey of the Netherlands, 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

Online Social Networking for Medical Information Sharing in Clinical Practice

Michiko Yoshida, Kyoto University, Japan

French eHealth Policy

Nathalie Ferraud-Ciandet, Grenoble Ecole de Management, France

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

Efthymios Chondrogiannis, ICCS/NTUA, Greece

Pilot Implementation Assessment of Central Hospital Appointment System

Sevda Oz, 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 Bed

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

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

Chair: **tbc**

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

Personal Data Stores and 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

Lucia Pannese, Imaginary srl, Italy

Growth of Software in a Changing Environment

Ken McHugh, Cognitive Edge, Singapore

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

Nikos Sarris, ATC, Greece

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

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

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

Jaume Benseny, i2CAT Foundation, Spain

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

The CHRONIOUS Ontology-Driven Search Tool: Enabling Access to Well-focused and Up-to-date Healthcare Literature

Franca Giannini, CNR, Italy

Guarantee: Active Safety Products, Architecture and Business Opportunities

Keith Baker, Philips Research, Netherlands

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
Matthias Deindl, 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: [Open Innovation in Business - Success Stories](#)

Chair: [Bror Salmelin, European Commission, Belgium](#)

Presenters details will be published during early September

11:00 Workshop 6f: [Easy e-Collaboration Services for Small Companies and their Ecosystems](#)

Chair: [Flavio Bonfatti, University of Modena and Reggio Emilia, Italy](#)

Virtual Teams Structure and Reflection on their Creativity and Collaboration

Javier Finez, Business Innovation Brokers S. Coop., Spain

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

Linked Open Data and Cloud-Based Analytics - Enabler for Corporate Social Responsibility
Margarete Donovan-Kuhlich, 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
Ken McHugh, Cognitive Edge, Singapore

14:00 Workshop 7b: [WeGov](#)

Chair: [tbc](#)

Scope of Workshop
Somya Joshi, Gov2U, Greece

Objectives & mission of the WeGov Project
Steve Taylor, University of Southampton, United Kingdom

The WeGov Took-kit: A Demonstration
Timo Wandhoefer, GESIS - Leibniz Institute for the Social Sciences, Germany

Panel Discussion

Open Discussion

14:00 Session 7c: [eHealth - Case Studies I](#)

Chair: [Richard Stevens, Italy](#)

Evolution of the Turkish National Health Information System: A road map for those who want to set up the National Health 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
Hildelies 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



Friday,
October 28,
2011

16:00 Session 8b: **eGovernment - Issues and Case Studies**

Chair: *tbc*

Nudging eConsumers: Online Ecolabelling as part of the Green Internet

Jonathan Cave, RAND Europe, United Kingdom

A Semantic Wiki Application for Managing Sustainable Development in Mountain areas

Alessio Gugliotta, Innova SpA, Italy

Teaching e-Commerce and Marketing Communication in Higher Education

Christian Persson, Stockholm University, Sweden

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 FI PPP**

Chair: *tbc*

Presenters details will be published during early September

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

Chair: *Kim Davis, Research Council of Norway*

The 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 - Implementing the PAIMAS Framework

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

16:00 Workshop 8f: **Ethics**

Chair: *Teresa De Martino, European Commission, Belgium*

Ethics in Neuroimaging: FET Open Project CONNECT

Yaniv Assaf, Tel Aviv University, Israel

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, 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

Presenters details will be published during early September

09:00 Workshop 9e: **User at the Centre: Analysis of Strength and Opportunities Offered by Existing Solutions**

Chair: *tbc*

Building the User Centricity within the NET-EUCEN Network

Laura Schina, Innova SpA, Italy

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, INNOVA SpA, Italy

10:30 Coffee Break: Exhibition & Networking

11:00 Session 10a: Networked, Smart and Virtual Organisations - Case Studies II

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

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

Peter Katranuschkov, Dresden University of Technology, Germany

SEMTOUR: an infrastructure to manage semantic services composition

Germán Herrero, Atos Origin SAE, Spain

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

Daniel Field, Atos Origin, Spain

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

Beyond Information Toward Open Data

Monica Palmirani, University of Bologna, Italy

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 Esteve, Universitat de Girona, Spain**

The Citizen Information Services for reducing citizens' burdens in the online public administration

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 early September

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

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

The Roadmap to Enhancing Innovation by Pre-commercial Procurement

Irina ZALISOVA, EPMA, Czech Republic

Presenters details will be published during early September

12:30 Closing Plenary 11a:

13:00 Lunch: Exhibition & Networking

This Programme is accurate as at 29 August 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.



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. While some space will be offered for posters, most of the Exhibition will be reserved for technology demonstrations.

Demonstration stands are reserved for live technology demonstrations, but can feature early prototypes or a pre-commercial launch to a highly targeted, knowledgeable community.

Participation in the Exhibition is rewarding, as it provides a valuable opportunity to make international contacts and to build relationships with potential partners or clients from around the world.

To maximise demonstration and networking opportunities for exhibitors, all coffee breaks and the Networking Cocktail are held in the Exhibition area.

The **eChallenges e-2011** Organising Committee is subsidising the costs of a limited amount of exhibition space for suitable demonstrations and posters under a Competitive Call for Exhibitors.

Potential exhibitors will be selected based on the quality and relevance of their submission to the conference themes, with preference given to those presenting innovative technology demonstrations. To access the Exhibition Application Form online, please visit www.eChallenges.org

Applications will be accepted up to **09 September**. All applicants who apply via the Competitive Call will receive feedback by **12 September**. Successful applicants must complete payment registration by **16 September**.

Since the level of competition for available exhibition stands is likely to be high, applicants are advised to clearly describe what they plan to demonstrate and the potential interest and value-add for conference delegates.

General Terms & Conditions

1. All demonstration stands must be manned during specific exhibition times (10:30 - 11:00, 12:30 - 14:00, 15:30 - 16:00).

2. All accepted exhibitors (demonstration stand) must register and pay for a minimum of 2 conference delegates/presenters by **16 September**. All participants involved in the Exhibition must be registered delegates.

3. Exhibitors will make a contribution of €400 towards the cost of their demonstration stand.

4. PCs, monitors and dedicated Internet access are additional cost items which are not sponsored. Each exhibitor is directly responsible for ordering and paying for such services, if required, with relevant local suppliers.

5. Stand material, posters and literature should be put in place between 18:00 - 19:00 on Tuesday 25 October. All stands must remain in place until 13:30 on Friday 28 October, after which Exhibitors have until 16:30 to remove all materials.

6. Material may be removed if the content or quality is not regarded as suitable by the **eChallenges e-2011** Organising Committee. No refund will be provided in such circumstances.

7. While the conference will not be open to the general public and the Exhibition area will be locked each evening, the organisers cannot take responsibility for any losses incurred and exhibitors should ensure that they have sufficient insurance cover.

The **eChallenges e-2011** Organising Committee is sponsoring an Award for the Best Conference Paper and an Award for Best Demonstration Stand, which will be announced in the Closing Plenary on Friday 28 October.

You should always refer to the Conference Portal for the most up to date information.