

eChallenges e-2012 Final Programme

Lisbon - Portugal

17 - 19 October 2012

Supported by



Introduction

The **eChallenges e-2012** Conference & Exhibition takes place 17 - 19 October in Lisbon, Portugal. This is the twenty-second in a series of annual conferences supported by the European Commission, which bring together 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 Cloud Computing; eInfrastructures & Smart Grid; eGovernment, eParticipation and eDemocracy; eHealth; eInclusion; Future Internet & Smart Cities; Living Labs; Intelligent Content and Semantics; Networked, Smart and Virtual Organisations; Mobile Applications; Security and Identity Management and Technology Enhanced Learning.

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-2012** 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-2012?

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-2012 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-2012** Conference & Exhibition takes place in Sana Lisboa, Av. Fontes Pereira de Melo, 8, 1069-301 Lisbon.

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 34 thematically focused parallel sessions featuring different aspects of Cloud Computing; eInfrastructures; eGovernment; eHealth; eInclusion; Future Internet & Smart Cities; Living Labs; Intelligent Content and Semantics; Networked, Smart and Virtual Organisations; Mobile Applications; Security and Identity Management and Technology Enhanced Learning. 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-2012** 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. The conference dinner is 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 and speakers to publish their own short profile to facilitate networking before, during and after the Conference.

Conference Dinner

The Organising Committee are pleased to announce that a **Conference Dinner** for delegates will be held on Wednesday 17 October.

It is necessary for all delegates to confirm participation at the Conference Dinner by 08 October.

Security, Health and Safety

Please wear your name badge for all **e-2012** 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 Lisbon. If you 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 (**Sana Lisboa**).

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

eChallenges e-2012 delegates are strongly recommended to book their accommodation online early, as Lisbon 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).

Transport

It is possible to get Bus 91 "Aerobus" from the airport to a stop close to the Sana Lisboa hotel. The ticket costs €3.50.

The nearest metro station is Marquês de Pombal Station (Blue and Yellow Lines) and Buses 44 and 45 stop outside the hotel.

For delegates travelling by car, follow the signs for the "Centro" or "Marquês de Pombal". Join the 2nd Circular and exit to the right in the direction of Campo Grande. Turn right again and enter the tunnel, driving straight on. Pass Av. da República and continue on until you reach Av. Fontes Pereira de Melo. SANA Lisboa hotel is on the left, at the end of the avenue. To stop the car in front of the hotel, continue straight on

to the Marquês de Pombal roundabout, and take the 5th exit, changing direction. To go directly to the car park, take the 4th exit from the Marquês de Pombal roundabout towards Av. Duque de Loulé. Turn left at the 1st exit (traffic lights) and follow the road until the SANA Lisboa Hotel Parque de Estacionamento sign, on your left.

Plenary Session Speakers



SE Carlos Oliveira
Secretary of State
of Entrepreneurship,
Competitiveness and
Innovation, Portugal



Cristina Vaz Tomé
European Co-Chair, 8th
Africa – EU Strategic
Partnership and ICT
Vice-President, Portugal



Paulo Neves
President, AMA
Portugal



Seung Chul Ha
Ministry of Public
Administration and Security
Republic of Korea



Eduardo Maldonado
NCP Coordinator, FCT,
Portugal

Keynote Speakers confirmed include:

- **SE Carlos Oliveira**, Secretary of State of Entrepreneurship, Competitiveness and Innovation, Portugal
- **Cristina Vaz Tomé**, European Co-Chair, 8th Africa – EU Strategic Partnership and ICT Vice-President, Portugal
- **Paulo Neves**, President, AMA, Portugal
- **Seung Chul Ha**, Ministry of Public Administration and Security, Republic of Korea
- **Eduardo Maldonado**, NCP Coordinator, FCT, Portugal

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-2012 Programme Committee** includes

- **Paul Cunningham**, IIMC, Ireland (Chair)
- **Dr. Andreas Abecker**, disy GmbH, Germany
- **Dr. Ulf Blomqvist**, VINNOVA, Sweden
- **Miriam Cunningham**, IIMC, Ireland
- **Kim Davis**, Research Council of Norway
- **Prof. Asuman Dogac**, Middle East Technical University, Turkey
- **Dr. Jens Eschenbaecher**, BIBA, Germany
- **Prof. Ricardo Goncalves**, UNINOVA, Portugal
- **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. Stephan Raimer**, Flensburg University, Germany
- **Hans Schaffers**, Aalto University School of Economics & ESoCE Net, Netherlands
- **Peter Stanbridge**, Korora Limited, UK
- **Richard Stevens**, Stevens Consultants, Italy
- **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

IIMC Ltd
13 Docklands Innovation Park,
128 East Wall Road,
Dublin 3, Ireland
Tel: +353 (0) 1 8170607
Fax: +353 (0) 1 8170606
e-mail: secretariat@eChallenges.org

Conference Portal/Delegate Showcase

www.eChallenges.org



Wednesday,
October 17,
2012

09:00 Opening Plenary 1a

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

Opening Address

SE Carlos Oliveira, Secretary of State of Entrepreneurship, Competitiveness and Innovation, Portugal

8th Africa – EU Strategic Partnership

Cristina Vaz Tomé, European Co-Chair, 8th Africa – EU Strategic Partnership and ICT Vice-President, Portugal

eGovernment Initiatives in Portugal

Paulo Neves, President, AMA, Portugal

eGovernment Initiatives in Korea

Seung Chul Ha, Ministry of Public Administration and Security, Republic of Korea

10:30 Coffee Break : Exhibition & Networking

11:00 Session 2a: [Internet of Energy](#)

Chair: [Richard Stevens, Stevens Consultants, Italy](#)

Services in the Internet of Energy

Julian Krengel, FIR at RWTH Aachen University, Germany

Utilizing Lessons Learned from the Telecommunication Industry for the Internet of Energy.

Matthias Deindl, FIR at RWTH Aachen, Germany

Deduction and Validation of Target Processes for the Internet of Energy

Christian Maasem, FIR at RWTH Aachen, Germany

Approaches for an Information Logistics Concept for Centralizing and Standardizing Data Exchange in the Internet of Energy

Violett Panahabadi, FIR at the RWTH Aachen, Germany

11:00 Workshop 2b: [Business Values and Business Model Innovation in the Networked Enterprises of People & Things](#)

Chairs: [Man-Sze Li, IC Focus, United Kingdom & Peter Lindgren, Aalborg University, Denmark](#)

Business Values of Digital Enterprises in the Merged World(s) of the Real and the Virtual

Man-Sze Li, IC Focus, United Kingdom

Multi Business Model Innovation with Humans and Things – A Question of Meaning and Value

Peter Lindgren, Aalborg University, Denmark

Value Flow Models & Business Model Innovation in the Manufacturing Ecosystem

Jasper Lentjes, Vlastuin Group, Netherlands

11:00 Session 2c: [Mobile Applications](#)

Chair: [Ricardo Goncalves, UNINOVA, Portugal](#)

Towards a Technology for Participatory Sensing Applications

Andreas Abecker, disy Informationssysteme GmbH, Germany

An Ecologically-aware Approach for Mobile Travel Recommender Systems

Efthimios Bothos, ICCS - Institute of Communication and Computer Systems, Greece

Geoconsum: an Initial Assessment of a Mobile App for Online Consumer Mediation in Catalonia

Josep Suquet, UAB Institute of Law and Technology, Spain

User Toolkits for Citizen-centric Mobile Service Innovation

Birgitta Bergvall-Kåreborn, Luleå University of Technology, Sweden

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

Chair: [Stephan Raimer, Flensburg University, Germany](#)

Designing for the Users or with the Users? A Participatory Design Approach for Science Teaching in Schools

Claudia Magdalena Fabian, Centre for Social Innovation - ZSI, Austria

Integrating User Research into a Serious Game about Conflict Resolution

Gordon Ingram, University of Bath, United Kingdom

Modelling Tool Support for Evidence Centred Activity and Assessment Design

Wilfrid Utz, BOC Asset Management GmbH, Austria

An Innovative Platform for Rapid Competence Development

Manuel Fradinho Oliveira, Sintef, United Kingdom

12:30 **Lunch & Networking**

14:00 Workshop 3a: [Assessing e-Infrastructures Impacts: the ERINA+ Findings and Results](#)

Chair: [Nadia Nardi, Engineering Ingegneria Informatica spa, Italy](#)

Assessing the Impact of Research Infrastructures: Horses for Courses?

Jordi Molas-Gallart, INGENIO (CSIC-UPV), Spain

Socio-Economic Impact Assessment of Research e-Infrastructures: a Proposal for a Methodological Approach

Francesco Bellini, Eurokleis srl, Italy

Societal Challenges on Adopting e-Infrastructures

Josef Benedikt, ZSI - Center for Social Innovation, Austria

Open Discussion

Antonella Passani, T6 Ecosystems Srl, Italy

14:00 Workshop 3b: [Business Values and Business Model Innovation in the Networked Enterprises of People & Things](#)

Chairs: [Man-Sze Li, IC Focus, United Kingdom & Peter Lindgren, Aalborg University, Denmark](#)

Business Value and Business Model Innovation in Decentralized Interoperability Approach: The NisB Case

Boris Otto, University of St. Gallen, Switzerland

Business Values and Business Models: Findings from BIVEE

Jens Eschenbaecher, BIBA, Germany

Business Models - Tooling and a Research Agenda

Sam Solaimani, Delft University of Technology, Netherlands

14:00 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

ICT Initiatives & Research Capacity in Mauritius

Dan Faugoo, National Computer Board, Mauritius

ICT Initiatives & Research Capacity in Namibia

Florence Kavirindi, Ministry of Education, Namibia

ICT Initiatives & Research Capacity in Mozambique

Zauria Saifodine, INTIC, Mozambique

ICT Initiatives & Research Capacity in Swaziland

Moses Zungu, Ministry of Information and Communications Technology, Swaziland

ICT Initiatives & Research Capacity in Lesotho

Lefa Thamae, Ministry of Communications, Science and Technology, Lesotho

ICT Initiatives & Research Capacity in Malawi

Gift Kadzamira, National Commission for Science & Technology, Malawi

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

Chair: [Andreas Abecker, disy Informationssysteme GmbH, Germany](#)

Children Music-Making with Interactive Reflexive Technology - A Case Study of Spiral Model of Specification

Gualtiero Volpe, DIST, Italy

The Metafora Project and the Promotion of Creativity – Theory-based Expectations and Preliminary Findings

Maria Daskolia, National and Kapodistrian University of Athens, Greece

Semantic People Tagging @Work

Simone Braun, FZI Research Center for Information Technology, Germany

Thursday,
October 18,
2012



DAY

15:30 Coffee Break & Networking

16:00 Session 4a: **eInfrastructures**

Chair: **Stefan Wesner**, High Performance Computing Centre Stuttgart, Germany

The Strategy of the Commons: Modelling the Annual Cost of Successful ICT Services for European Research

Matti Heikkurinen, Emergence Tech Ltd, Switzerland

A Scenario Driven Approach to Enable Collaboration Among Research Infrastructures and Initiatives

Töresin Karakoyun, Heinrich Heine Universität Düsseldorf, Germany

e-ScienceTalk: Measuring the Impact of Online Outreach for e-Infrastructures

Catherine Gater, EGI.eu, Netherlands

EGI: an Open e-Infrastructure Ecosystem for the Digital European Research Area

Steven Newhouse, EGI.eu, Netherlands

16:00 Workshop 4b: **Business Values and Business Model Innovation in the Networked Enterprises of People & Things**

Chairs: **Man-Sze Li**, IC Focus, United Kingdom & **Peter Lindgren**, Aalborg University, Denmark

Convergence between the Media Industry and Telecommunications Industry: Tensions and Opportunities

Olivier Braet, IBBT-SMIT, Belgium

Value Creation Potential of Applications, Services and Platforms

Arian Zwegers, European Commission, Belgium

Panel Discussion

16:00 Workshop 4c: **IST-Africa - Linking European & African Researchers**

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

ICT Initiatives & Research Capacity in Egypt

Inas Fateem, Ministry of Communications & Information Tech., Egypt

ICT Initiatives & Research Capacity in Senegal

Toumane Doumbouya, Ministère de l'Enseignement Supérieur, des Universités et des Centres Universitaires Régionaux et de la Recherche Scientifique, Senegal

ICT Initiatives & Research Capacity in Kenya

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

ICT Initiatives & Research Capacity in Burundi

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

ICT Initiatives & Research Capacity in Ghana

Naa Lamiley Lanquaye-Mills, Ministry of Environment, Scientific and Technology, Ghana

ICT Initiatives & Research Capacity in Cameroon

Njei Check, National Agency for Information and Communication Technologies, Cameroon

ICT Initiatives & Research Capacity in South Africa

Segopotso Moshapo, SAP Research Pretoria, South Africa

16:00 Session 4d: **Technology-Enhanced Learning - Case Studies II**

Chair: **Stephan Raimer**, Flensburg University, Germany

Connected Vitality Network: Enhancing Elderly Life

Achilleas Achilleos, University of Cyprus, Cyprus

Augmented Reality Videoconferencing as a New Approach to Remote Teaching

Sergiusz Zieliński, Institute of Bioorganic Chemistry of the Polish Academy of Sciences - Poznań Supercomputing and Networking Center, Poland

Diagnostic Simulator for the Ground Engineering Crew in Virtual Technology

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

09:00 Workshop 5a: **Towards Next Generation Clouds**

Chairs: **Maria Tsakali**, European Commission, Belgium & **Bastian Koller**, HLRS, Germany

Identified Issues and Necessary Improvements in Multi-Site Cloud Set-Up and Operation

Michael Gienger, HLRS, Germany

CloudBricks: Towards Dynamically Adaptable Clouds

Bastian Koller, HLRS, Germany

A Standards-Based Approach for Negotiating Service QoS with Cloud Infrastructure Providers

Wolfgang Ziegler, Fraunhofer Institute SCAI, Germany

Automated QoS Optimization of Real-world IT Systems Using a Generic Modeling Approach

Peter Chronz, GWDG mbH, Germany

09:00 Session 5b: **Networked, Smart and Virtual Organisations**

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

Application of Highly Scalable Hybrid Architecture for Sharing Ontological Information in Heterogeneous Environments

Bartosz Kryza, Academic Computer Centre CYFRONET-AGH, Poland

Service Innovation for (E)-Mobility Concepts: Discussion and Initial Results

Jens Eschenbaecher, BIBA, Germany

Collaboration between Research Initiatives and Infrastructures for Personalized Medical Research: an Underestimated Challenge

Wolfgang Kuchinke, Heinrich-Heine University Duesseldorf, Germany

09:00 Session 5c: **eHealth - Issues and Case Studies**

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

Towards a National Platform for Personal Medical Data Sharing

Frederic Vannieuwenborg, Ghent University, Belgium

Knowledge Based Platform for Personalized eHealth Services

Vedran Hrgovic, BOC Asset Management GmbH, Austria

SOCIABLE - Next Generation Cognitive Training using Multi-Touch Surface Computers

Stelios Pantelopoulos, SingularLogic S.A, Greece

09:00 Session 5d: **Intelligent Content - Issues and Applications**

Chair: **Andreas Abecker**, disy Informationssysteme GmbH, Germany

Enterprise Knowledge Development - A Conception of Knowledge and Knowledge Dynamics

Eckhard Ammann, Reutlingen University, Germany

Semantically-assisted Hypothesis Validation in Clinical Research

Joseph Roumier, CETIC Bâtiment Éole, Belgium

Ontology-Based eService Enabling Collaboration of Researchers in Healthcare

Vladimir Tarasov, School of Engineering, Jönköping University, Sweden

From Business Model Design to Environmental Scanning: the Way to a New Semantic Tool to Support SME's Strategy

Vincent Grèzes, HES-SO Valais, Switzerland

10:30 Coffee Break & Networking

11:00 Session 6a: **Exploring and exploiting FIRE Facilities to address e-Challenges**

Chair: **Jorge Pereira**, European Commission, Belgium

11:00 Session 6b: RFID & Networked Enterprise

Chair: **Jens Eschenbaecher, BIBA, Germany**

An Event-Driven Framework for Business Awareness Management
Babis Magoutas, National Technical University of Athens, Greece

E-Business for Services: Simulation-based Analysis of E-Business Solution Concepts for Service Procurement Scenarios
Peter Weiss, ISS International Business School of Service Management, Germany

eBusiness in Fashion Industry - Interoperability Standardisation Meets Industry Supply Chain
Arianna Brutti, ENEA, Italy

Virtualisation of Trade Networks in the Flowers & Plants Industry
Cor Verdouw, LEI Wageningen UR, Netherlands

11:00 Session 6c: eHealth - Applications

Chair: **Richard Stevens, Stevens Consultants, Italy**

mePHR: A Mobile Personal Health System (PHS) Framework
Mert Gençtürk, SRDC LTD., Turkey

Improving Patient's Satisfaction: The Use of a Centralised Appointment System in the Andalusian Public Healthcare System
Juan Lara, Consejería de Salud y Bienestar Social – Junta de Andalucía, Spain

The DECIDE Project: Designing and Implementing a Prototype Service for Supporting Early Diagnosis of Alzheimer's Disease
Fulvio Galeazzi, Consortium GARR, Italy

11:00 Session 6d: Future Internet & Smart Cities

Chair: **Man-Sze Li, IC Focus, United Kingdom**

Lisbon's Path towards a Smarter City
Francisco Gonçalves, Lisboa E-Nova, Portugal

Mobility Service Centres as Facilitators for Electric Mobility in Smart City Environments
Stefan Wellsandt, BIBA - Bremer Institut für Produktion und Logistik, Germany

Safety and Security at Home
Konstantinos Kalogirou, CERTH/HIT, Greece

eSPINN - eServices Where You Are
Torbjorn Johansson, Innovation Impact, Sweden

Towards an eHeritage Solution (eHS)
Yasser Elshayeb, Center for Documentation of Cultural and Natural Heritage-CULTNAT, Egypt

12:30 Lunch & Networking

14:00 Workshop 7a: Multiscale Modelling of Materials and Biological Systems using e-Infrastructures

Chair: **Andrew Emerson, CINECA, Italy**

Multiscale Modelling with HPC: Current Practice, Trends and the Challenges of Petascale
Andrew Emerson, CINECA, Italy

Dataflow Management: A Grand Challenge in Multiscale Materials Modelling
Ivan Kondov, Karlsruhe Institute of Technology, Germany

Elmer Finite Element Software in Workflows
Sampo Sillanpää, CSC, Finland

14:00 Workshop 7b: European & National Trust & Security Research Innovation Achievements

Chair: **Frances Cleary, Waterford Institute of Technology - TSSG, Ireland**

EFFECTS+ Clustering of Trust and Security Research Projects, Identifying Results, Impacts and Future Research Roadmap Topics

Frances Cleary, Waterford Institute of Technology - TSSG, Ireland

Forming a Vision for Future Internet Research

Nick Papanikolaou, HP Labs, United Kingdom

Identifying Collaboration Opportunities in European Future Internet Research

Kevin Quinn, TSSG, Ireland

Lessons Learnt from Federate Identity Management into Practice

Barbara Re, University of Camerino, Italy

14:00 Session 7c: Meeting the Need for Long Term Digital Retention in Science, Industry and eHealth

Chair: **Stephan Kiefer, Fraunhofer Institute for Biomedical Engineering, Germany & Michael Wilson, Science and Technology Facilities Council, United Kingdom**

ENSURE Demo

The Need for Long Term Digital Retention in eHealth

Stephan Kiefer, Fraunhofer Institute for Biomedical Engineering, Germany

Planning Digital Preservation for e-Health using Preservation Network Models

Michael Wilson, Science and Technology Facilities Council, United Kingdom

A Framework for Leveraging Ontologies for Digital Long-Term Preservation in Healthcare

Stephan Kiefer, Fraunhofer Institute for Biomedical Engineering, Germany

Automation of Information Quality Evaluation in eHealth Records from an Preservation Perspective

Frode Randers, Luleå University of Technology, Sweden

The Need for Long Term Preservation of Weblogs: the BlogForever Project

Ilias Trochidis, Aristotle University of Thessaloniki, Greece

The TIMBUS project - Digital Preservation for Timeless Business Processes and Services

Jose Borbinha, INESC-ID - Instituto Superior Técnico, UTL, Portugal

14:00 Workshop 7d: Future Internet & Smart Cities II

Chair: **Jim Yip, University of Salford, United Kingdom**

The IREEN ICT Roadmap for Energy-Efficient Neighbourhoods
Alain Zarli, CSTB, France

Understanding Energy Consumption for the Development of Methodologies to Reach Energy Efficiency

Henrique Pombeiro, Instituto Superior Técnico, Portugal

Nudging eConsumers: Online Ecolabelling as Part of the Green Internet

Jonathan Cave, RAND Europe, United Kingdom

Identifying the ICT Challenges of the Agri-Food Sector to Define the Architectural Requirements for a Future Internet Core Platform

Christopher Brewster, Aston University, United Kingdom

15:30 Coffee Break & Networking

16:00 Session 8a: Multiscale Modelling of Materials and Biological Systems using e-Infrastructures

Chair: **Andrew Emerson, CINECA, Italy**

UIMA-HPC - Application Support and Speed-up of Data Extraction Workflows through UNICORE

Sandra Bergmann, Forschungszentrum Jülich GmbH, Germany

Distributed Multiscale Computing, the MAPPER project

Derek Groen, University College London, United Kingdom

ScalaLife - Scalable Software Services for Life Sciences

Mihai Constantin Duta, University of Oxford, United Kingdom

16:00 Session 8c: eGovernment - Applications

Chair: **Ricardo Goncalves, UNINOVA, Portugal**

FUPOL: an Integrated Approach to Participative Policies in Urban Areas

Giorgio Prister, Major Cities of Europe, Italy

Immigration Policy 2.0: Model-based Approach for Collaborative Policy Harmonisation

Robert Woitsch, BOC Asset Management GmbH, Austria

e-Identify Management in Realizing cross-border e-Justice in Europe

Natalie Nickel, Ministry of Justice of North Rhine-Westphalia, Germany

RECONSURVE: JC3IEDM and EDXL Based Emergency Management Service Oriented Architecture for Maritime Surveillance

Yildiray Kabak, SRDC LTD., Turkey

16:00 Session 8d: **Living Labs - Case Studies**

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

Challenges and Ethical Issues in Living Labs for Open Innovation

Charles Tijus, Université de Paris 8, France

Living Lab: Innovation through Pastiche

Harry Fulgencio, Leiden University, Netherlands

Insights into an Innovation Community for a Smart University Campus

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

3
Friday,
October 19,
2012
DAY

09:00 Workshop 9a: **Storage Clouds for the Future Internet**

Chair: **Dimosthenis Kyriazis, ICCS / NTUA, Greece**

Virtualized Storage Services Foundation for the Future Internet

Dimosthenis Kyriazis, ICCS / NTUA, Greece

Storage Cloud Infrastructure Demonstration

Dimosthenis Kyriazis, ICCS / NTUA, Greece

Data-driven Journalism Demonstration

Alberto Messina, RAI - Radiotelevisione Italiana, Italy

A Media Use Case for Storage Clouds

Alberto Messina, RAI - Radiotelevisione Italiana, Italy

Content-based Telecommunication Services Demonstration

Fredrik Solsvik, Telenor ASA, Norway

Utilizing Storage Clouds for Telecommunications Service Provisioning

Fredrik Solsvik, Telenor ASA, Norway

09:00 Workshop 9b: **Where Integrated Compliance becomes Multilingual Communities of Knowledge – lessons and findings from PROMISLingua**

Chair: **Caterina M. Berbenni-Rehm, PROMIS@Service Sarl, Luxembourg**

Communities of Knowledge in the Daily Life of an SME - The PROMIS® Example

Caterina M. Berbenni-Rehm, PROMIS@Service Sarl, Luxembourg

E-learning Compliance - New Ways To Do It

Stefan Gabriel Kovacs, INCDPM "Alexandru Darabont", Romania

Tales from the Front - How Knowledge becomes Innovation

Gil Gonçalves, INOVAMAIS, Portugal

09:00 Session 9c: **eGovernment - Applications and Case Studies**

Chair: **Jim Yip, University of Salford, United Kingdom**

Local Government Enterprise Architecture Towards Cloud

Edzus Zeiris, ZZ Dats Ltd., Latvia

Puzzled by Policy: A Three-tiered Approach to e-Participation

Tamara Jonjic, European University Institute, Italy

Archipelago Citizen Meetings Strengthening Local Democracy in the Town of Pargas

Tiina Ferm, Turku University of Applied Sciences, Finland

ICT: An Empowering Tool for Social Enterprises

Ramon Fisac-Garcia, Universidad Politécnica de Madrid, Spain

10:30 **Coffee Break & Networking**

11:00 Workshop 10a: **Storage Clouds for the Future Internet**

Chair: **Dimosthenis Kyriazis, ICCS / NTUA, Greece**

Using CDMI in Storage Clouds

Emilio García, Telefónica I+D, Spain

Storage and Software Components Management in Multiple Clouds using mOSAIC

Dana Petcu, Institute e-Austria Timisoara, Romania

Abstractions for Trusted Cloud Computing: the TClouds Approach

Alysson Bessani, University of Lisbon, FFCUL, Portugal

QoS Management in Elastic Transactional Data Grids

Diego Didona, INESC-ID, Portugal

CumuloNimbo: Scalable and Transparent Cloud Transactional Data Management

Ricardo Jimenez-Peris, Universidad Politécnica de Madrid, Spain

Open Discussion, Conclusions

11:00 Workshop 10b **Collaboration between SMEs and Higher Education Institutions, When will we Finally Close the Gap?**

Chair: **Katrin Reschwamm, EUrelations AG, Switzerland**

Getting into the Mind-set of a Company - A Roadmap

Joe English, LCEB, Ireland

Managing Successful Collaborations – Skills for SMEs

Katrin Reschwamm, EUrelations AG, Switzerland

Good Practices in Innovation Support Measure for SMEs

Raul Soriano, Universitat Politècnica de València, Spain

11:00 Session 10c: **eInclusion**

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

Impact University - Basic ideas, Background Examples and the Concept Applied

Olov Forsgren, Borås University College, Sweden

Using Serious Games for Overcoming Separation between Theory and Practice in the Education of Engineers

Jannicke Baalsrud Hauge, Bremer Institut für Produktion und Logistik GmbH, Germany

MINDWALKER: Paving the Way Toward More Natural Walking Assistance Systems

Michel Ilzkovitz, Space Applications Services N.V., Belgium

Networking for Communication Challenged Communities

António Cunha, Instituto Pedro Nunes, Portugal

12:30 **Lunch & Networking**

13:30 Closing Plenary 11a: **Closing Ceremony**

Horizon 2020 and FP7

Eduardo Maldonado, NCP Coordinator, FCT, Portugal

Outputs from Workshops

Best Paper Award

This Programme is accurate as at 11 October 2012.

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-2012** delegates to register separately online. Please use your existing log-in details for Online Registration.

Conference Fees

Authors Fees (Due by 31 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, Malí, 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-2012** must complete payment registration online by **31 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. Delegates' fees must be paid before admission to the Conference.

4. There are **no refunds for cancellations** but substitutions may be made at any time prior to the event by contacting the Conference Secretariat.

5. Each individual must be registered separately on the **eChallenges e-2012** Conference portal.

6. 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-2012** Conference", your name, organisation and invoice number (if relevant).

7. 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.

8. Conference registration or hotel accommodation is not confirmed until full payment is received.

9. 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.

10. The Registration Desk will open on Tuesday 16 October from 17:00 to 19:00 and will remain open during normal Conference hours from 08:00 on Wednesday 17 October.