eChallenges e-2010

Final Programme

Warsaw - Poland

Celebrating Chopin’s 200th Anniversary

27 - 29 October 2010

Supported by
Introduction

The eChallenges e-2010 Conference & Exhibition takes place 27 – 29 October in Warsaw, Poland, coinciding with Chopin’s 200th Anniversary. This is the twentieth 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.


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-2010 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-2010?

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-2010 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 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 and eDemocracy, eHealth, Technology Enhanced Learning, Intelligent Content, Collaborative Working Environments, Living Labs, eInfrastructures, High Performance Computing Applications, 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 and social events including a Networking Cocktail Reception (27 October), kindly hosted by the Warsaw Convention Bureau and a Gala Dinner (28 October), kindly hosted by the Ministry of Sport and Tourism.

The Conference Programme is subject to change, and the eChallenges e-2010 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-2010 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 Warsaw. 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 (Marriott Warsaw).

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

eChallenges e-2010 delegates are strongly recommended to book their accommodation online early, as Warsaw 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).

Networking Reception

The Organising Committee are pleased to announce that a Networking Reception will be held in the Exhibition area in Marriott Warsaw on Wednesday 27 October, from 18:00 – 20:00, kindly hosted by the Warsaw Convention Bureau.

Gala Dinner

The Organising Committee are pleased to announce that a Gala Dinner, hosted by the Ministry of Sport and Tourism will be held on Thursday 28 October.

It is necessary for all delegates and Accompanying persons to confirm participation at both social events as part of Online Registration to secure tickets.

Warsaw

Warsaw is the capital of Poland and incorporates a wide range of culture areas and entertainment. This year is Chopin’s 200th Anniversary so there are additional special events planned.

Delegates should endeavour to visit some of the many historical and cultural attractions in Warsaw during their stay: Old Town, Palace of Culture and Science, Royal Castle, Ujazdowski Castle, National Museum, National Theatre and Warsaw Zoological Gardens.

Transport

From Warsaw Chopin Airport to City Centre

The Warsaw Frederic Chopin Airport is 15 kilometres from the city centre.

Bus route 175 runs from the airport to the city centre up to 23:00 and takes approximately 30 mins.

Taxi services recommended by the airport cost approx 40 PLN to the city centre.

Transport within Warsaw

Warsaw has a metro, bus and tram network. The central train station is across the road from Marriott Warsaw.

Sponsorship Opportunities

e-2010 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-2010 include the Ministry of Sport and Tourism, Warsaw Convention Bureau and the Convention Bureau of Poland. eChallenges e-2010 is also Supported by the European Commission and Technically Co-Sponsored by IEEE Poland Computer Chapter, IEEE Poland Communications Chapter (Warsaw), IEEE Poland Communications Chapter (Krakow), IEEE UKRI Computer Chapter.

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

Keynote Speakers confirmed include:

- Mrs Katarzyna Sobierajska, Undersecretary of State, Ministry of Sport and Tourism of the Republic of Poland
- Mrs Magdalena Gaj, Undersecretary of State, Ministry of Infrastructure, Poland
- Prof. Zbigniew Marciniak, Undersecretary of State, Ministry of Science and Higher Education, Poland
- Mario Campolargo, Director DG Information Society and Media/F "Emerging Technologies and Infrastructures", European Commission
- David Broster, Head of Information Technology & Services Unit, Joint Research Centre IPTS, Spain

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-2010 Programme Committee includes:

- Paul Cunningham, IIMC, Ireland (Chair)
- Prof. Ferda Alparslan, Middle East Technical University, Turkey
- Dr. Ulf Blomqvist, VINNOVA, Sweden
- Dr. Jonathan Cave, RAND Europe, UK
- 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
- Jacek Ryszard Jóźwik, Silesian University of Technology, Poland
- Prof. Bernhard Katzy, CeTIM, Netherlands
- Slawomir Kula, Warsaw University of Technology, Poland
- Man-Sze Li, IC Focus, UK
- Gareth MacNaughton, Cabinet Office, United Kingdom
- Jesse B.T. Marsh, Atelier Studio Associato, Italy
- Michał O Foghlu, TSSG, WIT, Ireland
- Prof. Alvaro Oliveira, Alfamicro Ltda., Portugal
- Prof. Zdislaw Papir, AGH University of Science and Technology, Poland
- Prof. Stephan Rainer, College of Cooperative Education Schleswig-Holstein (WAK-SH), Germany
- Hans Schaffers, Helsinki School of Economics & ESoCE Net, Netherlands
- Dr. Krassimira Paskaleva-Shapira, ITAS, Karlsruhe Research Centre, Germany & Manchester Business School, United Kingdom
- Peter Stanbridge, Korora Limited, UK
- Richard Stevens, Italy
- Prof. Volker Stich, FIRA at RWTH Aachen University, Germany
- Prof. Roger Wallis, Royal Institute of Technology, Sweden
- Dr. Peter Weiss, FZI Forschungszentrum Informatik, Germany
- Stefan Wesner, HLRS, Germany
- Prof. Jim Yip, University of Huddersfield, UK

Organising Committee

- Miriam Cunningham, IIMC Ltd, Ireland
- Paul Cunningham, IIMC Ltd, Ireland
- Rafal Wilczkowski, Ministry of Sport and Tourism, Poland

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 27, 2010

08:00 - 09:00  Opening Plenary 1a

Mrs Katarzyna Sobierajska, Undersecretary of State, Ministry of Sport and Tourism of the Republic of Poland
Mrs Magdalena Gaj, Undersecretary of State, Ministry of Infrastructure, Poland
Prof. Zbigniew Marciniak, Under Secretary of State, Ministry of Science and Higher Education, Poland
Mario Campolargo, Director, DG Information Society and Media, European Commission
David Broster, Head of Information Technology & Services Unit, Joint Research Centre IPTS, Spain

Moderated Discussion

11:00 - 12:30  Session 2d: Profitability, Privacy and Security in the Cloud – A Case for Action?
Chair: Jonathan Cave, RAND Europe, United Kingdom

Jonathan Cave, RAND Europe, United Kingdom
On the Study of Trusted Information Exchange Services based on Authentication Policy Extension
Masakazu Ohashii, Chuo University, Japan

National Resilience Strategy
Gareth MacNaughton, Cabinet Office, United Kingdom
Profitability, Privacy and Security in the Cloud – A Case for Action?
Jonathan Cave, RAND Europe, United Kingdom

11:30 Session 2e: Security and Identity Management - Issues
Chair: Jonathan Cave, RAND Europe, United Kingdom

On the Study of Trusted Information Exchange Services based on Authentication Policy Extension
Masakazu Ohashii, Chuo University, Japan

National Resilience Strategy
Gareth MacNaughton, Cabinet Office, United Kingdom

Profitability, Privacy and Security in the Cloud – A Case for Action?
Jonathan Cave, RAND Europe, United Kingdom

12:30 - 14:00  Lunch: Exhibition & Networking

14:00 - 15:30  Session 2b: Business Models for Smart Applications and Systems in the Future Internet
Chair: Stefan Wesner, High Performance Computing Centre Stuttgart, Germany

Information Society in Poland: Content Delivery Network for Live and On-Demand Video Services and Interactive Television
Cezary Mazurek, Poznan Supercomputing and Networking Center, Poland

eInfrastructures in Poland: Federation of Digital Libraries in PIONIER Network
Marcin Werla, IChB PAN PCSS, Poland

Polish National Grid Initiative PL-Grid and its GridSpace2 Virtual Laboratory
Piotr Nowakowski, ACC CYFRONET AGH, Poland

14:00 - 15:30  Session 2c: IT Resilience and Security
Chair: Stefan Wesner, High Performance Computing Centre Stuttgart, Germany

Information Society in Poland: Content Delivery Network for Live and On-Demand Video Services and Interactive Television
Cezary Mazurek, Poznan Supercomputing and Networking Center, Poland

eInfrastructures in Poland: Federation of Digital Libraries in PIONIER Network
Marcin Werla, IChB PAN PCSS, Poland

Polish National Grid Initiative PL-Grid and its GridSpace2 Virtual Laboratory
Piotr Nowakowski, ACC CYFRONET AGH, Poland

15:30 - 17:00  Workshop 2a: Towards New Business Models in the Energy Sector based on Software-as-a-Service-Utilities and Value-added Services
Hannes Suttner, Siemens AG Austria, Austria

SaaS-U within an intermediary business model in regional Healthcare
Andrew Faughey, VEN Process Ltd, United Kingdom

The Economics of Utility Services in ICT
Man-Sze Li, IC Focus, United Kingdom

15:30 - 17:00  Workshop 2b: Designing and Managing Dynamic Grid SLAs
Chair: Bastian Koller, HLRS, Germany

Enhancing the SLA Framework of a Virtualized Service Platform by dynamic re-negotiation
Bastian Koller, HLRS, Germany

Extending WS-Agreement To Support Re-Negotiation of Dynamic Grid SLAs
SanaaSharaf, University of Leeds, United Kingdom

Towards Service Level Management in Clouds
Bastian Koller, HLRS, Germany

Discussion Panel

17:00 - 18:30  Workshop 2c: ICT Initiatives & Research Capacity in Mozambique
Chair: Augusto Nunes, ICT Policy Implementation Technical Unit (UTICT), Portugal

ICT Initiatives & Research Capacity in Mozambique
Augusto Nunes, ICT Policy Implementation Technical Unit (UTICT), Portugal

18:30 - 20:00  Conference & Exhibition
15:30   Coffee Break: Exhibition & Networking

16:00 Workshop 4a: Are Enterprise Collaboration and Enterprise Interoperability enabling innovation scenarios in industry? The COIN IP perspective in Automotive and Aerospace
Chair: Sergio Gusmeroli, TXT e-Solutions SPA, Italy
*The COIN IP perspective in Automotive*
Goran Trebec, Automotive Cluster of Slovenia (ACS), Slovenia
*Production Planning and Knowledge Interoperability Utility and Value-Added Services in Aerospace Domain*
Vittorio Cannas, Filas SpA, Italy

16:00 Session 4b: eGovernment - Services
Chair: Gareth MacNaughton, Cabinet Office, United Kingdom
*Temporal Accessibility of e-Services*
Riitta Hellman, Karde AS, Norway
*Collaborative Development of Public Information Systems: A Case Study of “Sambruk” E-Services Development*
Claes-Olof Olsson, Sambruk, Sweden
*South African E-Government: Secure E-Services*
Innocentia Dlamini, CSIR, South Africa
*A Proposal of Representative Legal e-Services based on a Slovenian Case Study*
Benjamin Lesjak, Faculty of Law, University of Maribor, Slovenia
*ECRN - Enabling Cross-border Civil Acts Exchange*
Antonio D’Amico, Inclusion Alliance for Europe GEIE, Romania

16:00 Workshop 4d: Automating Digital Preservation
Chair: Xiaolong Jin, University of Bradford, United Kingdom
*Agents that Supply Knowledge Exchange in Long-Term Digital Preservation*
Josep Luis de la Rosa i Esteva, Easy Innova, Spain
*Aligning PROTAGE Outcomes to the LDP Centre’s Test Platform*
Hugo Quisbert, Luleå University of Technology, Sweden
*Automatic Digital Preservation Solutions Enabled by Web Services and Intelligent Agents*
Xiaolong Jin, University of Bradford, United Kingdom
*Automated Ingest of Digital Records from EDRM Systems*
Kuldar Aas, National Archives of Estonia, Estonia

16:00 Workshop 4e: IST-Africa - Linking European & African Researchers II
Chair: Paul Cunningham, IIMC Ltd, Ireland
*ICT Initiatives & Research Capacity in Senegal*
Almamy Konte, Ministere de la Recherche Scientifique, Senegal
*ICT Initiatives & Research Capacity in Egypt*
Effat El-Shooky, Ministry of Communications & IT, Egypt
*ICT Initiatives & Research Capacity in Burundi*
Augustin Nsabiyumva, Ministry of Higher Education and Scientific Research, Burundi
*ICT Initiatives & Research Capacity in Kenya*
Eric Mwangi, Ministry of Higher Education, Science and Technology, Kenya
*ICT Initiatives & Research Capacity in Tanzania*
Enock Mpenzwa, Tanzania Commission for Science and Technology
*ICT Initiatives & Research Capacity in Uganda*
Loi Namugenyi, Uganda National Council for Science and Technology

16:00 Session 4f: eInfrastructures & High Performance Computing Applications
Chair: Stefan Wresner, High Performance Computing Centre Stuttgart, Germany
*DEISA: e-Science in a Collaborative, Secure, Interoperable and User-Friendly Environment*
Wolfgang Gentzsch, DEISA-2, Germany
*Integrating GridSpace Virtual Laboratory with EGEE Grid Storage Services*
Piotr Nowakowski, ACC CYFRONET AGH, Poland
*The Need for New Monitoring and Management Technologies in Large Scale Computing Systems*
Jochen Buchholz, HLRS, Germany
*EGI - A Sustainable Grid Infrastructure for Europe*
Caroline Gater, eGI, Netherlands

17:30 End of Parallel Sessions

18:00 Networking Reception, Exhibition Area
Thursday, October 28, 2010

09:00 Session 5a: ICT for Networked Enterprise
Chair: Man-Sze Li, IIC Focus, United Kingdom
- Conceptual Modelling of Complex Events of the Internet of Things
  Philipp Walter, IDS Scheer AG, Germany
- An Environment for a Powerful Business Document Schema Profiling
  Nicola Gessa, ENEA - Italian National Agency for New Technologies, Energy and Sustainable Economic Development, Italy
- An Assistive Mobile System for Visually Impaired and Blind People
  Michal Markiewicz, Jagiellonian University, Poland

09:00 Workshop 5b: Issues in Interoperability
Chair: Terje Grimstad, Karde AS, Norway
- Organizational Barriers to Interoperability
  Ritta Hellman, Karde AS, Norway
- Information Governance and Metadata Strategies as a Basis for Cross-sector e-Services
  Terje Grimstad, Karde AS, Norway
- Future e-government: From monologue to dialogue
  Arne Thorstensen, The Tax Administration, Norway
- Analytical Framework for e-Government Interoperability
  Hans Solli-Saether, BI Norwegian School of Management, Norway

09:00 Session 5c: Living Labs - Issues
Chair: Giorgio Da Bormida, ELGI S.r.l, Italy
- Living Labs and Regional Innovation Policies
  Jesse Marsh, Atelier Studio Associato, Italy
- A Regional Engagement Model for Innovation Using Living Lab Concepts
  Maurice Mulvenna, University of Ulster, United Kingdom
- Choosing the Best Model of Living Lab Collaboration for Companies
  Jens Eschenbaecher, BIBA, Germany
- Internationalising ENoLL: The Case of Brazil
  Alvaro Oliveira, Alfamicro, Lda., Portugal

09:00 Session 5d: Digital Libraries & Cultural Heritage
Chair: Sue Pendell, Colorado State University, United States
- DC-NET: A European Network to Deploy a new e-infrastructure for the Digital Cultural Heritage
  Antonella Fresa, Italian Ministry of Culture, Italy
- On-line GIS for Movable Cultural Heritage – Possibilities and Benefits
  Albina Moscicka, Institute of Geodesy and Cartography & Marek Marzec, Research and Academic Computer Network, Poland
- An Ontological Approach for Metadata Repository Management using MediaWiki Interoperability Framework Case Study: KeyToNature project
  Comelia-Flavia Veja, Technical University of Cluj-Napoca, Romania

09:00 Session 5e: Leveraging Semantic Technologies
Chair: Peter Stanbridge, Korora Limited, United Kingdom
- Towards an Infrastructure for the Evaluation of Semantic Technologies
  Francisco Martin Recuerda, Universidad Politécnica de Madrid, Spain
- Experiences using the UML profile for MARTE to stochastically model post-production interactive applications
  Stuart Middleton, University of Southampton, United Kingdom

Conference & Exhibition

Applying High Performance Computing Techniques for Advanced Semantic Reasoning
Alexey Cheptsov, High Performance Computing Center Stuttgart, Germany

SEMbySEM in Action: Domain Name Registry Service Through a Semantic Middleware
Ali Anil Sinaci, Middle East Technical University, Turkey

09:00 Session 5f: eHealth - Applications
Chair: Richard Stevens, Italy
- A Software Framework for Global and Regional Assessment of Cardiac vitality and Function by Magnetic Resonance
  Vincenzo Positano, Fondazione CNR/Regione Toscana "G Monasterio", Italy
- Patient Centered “Lean” Information Logistic in Modern Health care
  Peter Laing, FIR - Research Institute for Rationalization and Operations Management at Aachen University, Germany
- National Organ Waiting List (NOWL) of TURKIYE
  Sinan Ekinci, Ministry of Health, Turkey

10:30 Coffee Break: Exhibition & Networking

11:00 Session 6a: Networked, Smart and Virtual Organisations - Construction & Case Studies
Chair: Jacek Izydorczyk, Silesian University of Technology, Poland
- An Information Platform for the European Construction Sector: a Feasibility Study
  Christian Mastrodonato, D’Appolonia S.p.A, Italy
- Ontology-based Business Process Management in Construction
  Ksenia Rybenko, TU Dresden, Germany
- Simulation and Control of Renewable Energy Technology Integrated within Building Energy Management
  Nikos Sakkas, APINTECH LTD, Greece
- Towards Energy Efficient Buildings: A Perspective Study
  Tarek Hassan, Loughborough University, United Kingdom
- An ICT Architecture to Support Business Processes in the Internet of Energy
  Theo Lutz, Forschungsinstitut für Rationalisierung EV, Germany

11:00 Session 6b: eGovernment - Case Studies
Chair: Jim Yip, University of Huddersfield, United Kingdom
- The Role of Applicative Cooperation in the Marche Region Enterprise Architecture
  Barbara Re, University of Camerino, Italy
- Reorganization and Modernization of Central Registers in Poland
  Ewa Krolik, IBM, Poland
- Electronic File Systems in Austria’s Municipalities: Status and Success Factors
  Bernhard Krabina, KDZ - Centre for Public Administration Research, Austria
- Lessons Learned from Introducing Videoconferencing Systems into Municipal Decision Making Processes in the Archipelago Town of Väståboland
  Tiina Ferm, Turku University of Applied Sciences, Finland
- Assessing Dutch Ambitions: Towards Large Scale ICT Uptake in Public Sectors
  Marc van Lieshout, TNO Information and Communication Technology, Netherlands

11:00 Session 6c: Living Labs - Case Studies
Chair: Jesse Marsh, Atelier Studio Associato, Italy
- Living Labs Sustainability Strategies and Rural Development Policies
  Tuja Heikura, Aalto University, Finland
- Experiments of Context-Aware Collaborative Platform in Rural Living Labs
  Olfa Mabrouki, Paris 12 University, France
- Transforming Human Behaviour for Energy Efficiency
  Alvaro Oliveira, Alfamicro, Lda, Portugal
11:00 Workshop 6d: Future of Internet in an Enlarged Europe
Chair: Fernando Ferreira, UNINOVA, Portugal
Challenges for Cooperative Research on Future of Internet in an Enlarged Europe
Fernando Ferreira, UNINOVA, Portugal
The EC UNITE Programme and Opportunities for Mobility of Researchers in Europe
Fernando Ferreira, UniNova, Portugal
Taking the most from UNITE: Slovenian Cases
Tomaz Klobucar, Jozef Stefan Institute, Slovenia
INTEROP-VLab: Extending EU/ESA Research to China and the rest of the World
Guy Doumeingts, INTEROP-VLab, Belgium
DACAR
Christoph Thuemmler, Chelsea and Westminster NHS Foundation
Trust, United Kingdom
ASPIRE
Rasmus Nielsen, Aalborg University, Denmark
ELLIOIIT
Sergio Gusmeroli, TXT e-Solutions SPA, Italy

11:00 Session 6e: Intelligent Content
Chair: Sue Pendell, Colorado State University, United States
Ensuring ePortfolio Data Remains Personal in Next Generation Distributed Computing Applications
Thomas Kirkham, University of Nottingham, United Kingdom
Approach to E-Classification and E-Tradeability of complex industrial Services
Peter Weiss, FZI Forschungszentrum Informatik, Germany
Business and IT Alignment: A plug-in approach for Model-Oriented Knowledge Transfer
Robert Woltsch, BOC Asset Management GmbH, Austria
A Community Based Interoperability Utility for SMEs
Christian Melchiorre, Softco Sismat SpA, Italy

11:00 Session 6f: eHealth - Leveraging ICT for Independent Living
Chair: Kim Davis, Research Council of Norway, Norway
Needs of Older People and Perceptions of Experts to Specify the CONFIDENCE System
Narciso González Vega, University of Jyväskylä, Finland
Ethical Aspects in ICT Research and Development: The Case of the CONFIDENCE Project
Narciso González Vega, University of Jyväskylä, Finland
Synergy between Social and Health Services under an Ambient Assisted Living Environment for the Elderly
Vasiliki Moutzou, Aristotle University of Thessaloniki, Greece

12:30 Lunch: Exhibition & Networking

14:00 Session 7a: Networked, Smart and Virtual Organisations - Case Studies
Chair: Peter Weiss, FZI Forschungszentrum Informatik, Germany
Fine-grained Information Access in Virtual Organisations
Frank Hilbert, Tu Dresden, Germany
Enterprises’ External RTD Units (spin-outs) – The Basque Case
Leire Añanago, EUSKALTE, S.A., Spain
Challenges by Developing the Network for Sustainability in South Eastern Europe NESSEE
Idéiko Tulbare, University 1 December 1918, Romania
A Complete Data Recording and Reporting System for the EU Commercial Fishing Fleets
Amos Barkai, Otrac, South Africa

14:00 Session 7b: eGovernment - Case Studies II
Chair: Jim Yip, University of Huddersfield, United Kingdom
Electronic Services and eGovernment: Developing Income Tax Collection
Hendrik Heikema, Aalto University, Finland
Lessons from Adoption of Open Source Trouble Ticket System in Turin Municipality to Manage Citizens’ Requests
Franco Carcillo, City of Turin, Italy

Innovative Business Models Enhancing Open Source Software in the Public Sector
Anna Ohnwall Rönbläck, Linköping University, Sweden
Digital Literacy Policies for an inclusive Europe
Emilie Normann, Danish Technological Institute, Denmark
ePower to the people – A Driver for Cross Sector Regional Development in Europe
Madeleine Sidsteen Thiel, VINNOVA (Swedish Governmental Agency for Innovation Systems), Sweden

14:00 Workshop 7c: ICT for Participatory Spatial Planning and Environmental Assessment
Chair: Angelo Marcotulli, Regione Toscana, Italy
A Territorial Approach to Regional Innovation
Jesse Marsh, Atelier Studio Associato, Italy
Overview of EU Spatial Planning Systems and Policies
Francesco Molinari, PARTERRE Project, Italy
ICT Innovation in Spatial Planning
Sven Besteker, Freie und Hansestadt Hamburg, Germany
The PARTERRE Project
Angelo Marcotulli, Regione Toscana, Italy

14:00 Session 7d: Technology-Enhanced Learning - Issues & Case Studies
Chair: Stephan Raimer, College of Cooperative Education Schleswig-Holstein (WAK-SH), Germany
Exploring Teaching Presence in both Online and Face-to-face Learning Environments
Danjela Scepanovic, Ministry of Education, Serbia
Learning Outcome-driven Technology Enhanced Learning in Higher Education
Tomaz Klobucar, Jozef Stefan Institute, Slovenia
Monitoring Conceptual Development with Text Mining
Technologies: CONCEPT
Debra Hailey, The Open University, United Kingdom
An In Depth Case Analysis of Two Language Teachers Coping with Online Instruction
Danjela Scepanovic, Ministry of Education, Serbia

14:00 Workshop 7I: Towards an e-IOT based Chronic Care Model: the Habils approch for Sustainable Tel-Rehabilitation Services
Chair: Sandro Scattareggia Marchese, Signo Motus srl, Italy
ICT Solutions for the Management of Chronic Diseases: the Habils Concept and the CLEAR project
Sandro Scattareggia Marchese, Signo Motus srl, Italy
Tele-rehabilitation needs assessment: A multi-disciplinary approach
Rianne Huis in’t Veld, Roessingh Research and Development, Netherlands
Methodology for HTA within the CLEAR Tele-rehabilitation Project
Vello Macellari, Istituto Superiore di Sanità, Italy
Extending Upper Limb Rehabilitation for Stroke Survivors by the Habils Platform
Francesco Bervenuti, AUSL11, Italy
Clinical Program of Cognitive Tele-rehabilitation for Traumatic Brain Injury
Rocio Sanchez-Carrion, Institut Universitari de Neurorehabilitacio
Gutmann-UAB, Spain
Pre-surgery and post-Surgery Tele-rehabilitation for Hip and Knee Replacement
Wojciech Glinkowski, Medical University of Warsaw, Poland

15:30 Coffee Break: Exhibition & Networking

16:00 Workshop 8a: Good Practices in Innovation Support Measures for SMEs
Chair: Ana Levin, Universidad Politecnica de Valencia, Spain
Innovation Support Measures for SMEs: facilitating transition from the traditional to the knowledge economy
Anja Jennerjahn, Fraunhofer Institute for Factory Operation and Automation (IFF), Germany
Innovation in SMEs: Looking Beyond the ‘Gazelles’, The ‘Goliaths’ and the ‘Pioneers’
Nadine Doden, Otto von Guericke University Magdeburg, Germany
How to Pave the Way for SME-friendly R&D&I Programmes?
Ewa Kocinska, Poznan Science and Technology Park, Poland

16:00 Session 8c: eDemocracy & eParticipation
Chair: Paul Cunningham, ILMC Limited, Ireland
Liberopinion: a Web Platform for enhancing e-Democracy
Artur Sousa, Polytechnic Institute of Viseu, Portugal
WeGov
Alex Claes, GFI, Belgium
Facilitating the Work of MPs via the use of ICT: The Africa4All Parliamentary Initiative
Vasilis Kouloufas, Gov2u, Greece
Discussion
16:00 Workshop 8c: ICT for Participatory Spatial Planning and Environmental Assessment II
Chair: Francesco Molinari, Independent Consultant, Italy
Engagement Models for Innovation
Maurice Mulvenna, University of Ulster, United Kingdom
Usability is Not An Option - The Benefits of Lead Users & A Living Lab Approach to Product & Service Development
Jonathan Wallace, University of Ulster, United Kingdom
Empowering Citizens for Participatory Decision-Making in the Turku Archipelago
Tiina Ferm, Turku University of Applied Sciences, Finland
The Electronic Town Meeting, Presentation and Lessons Learnt
Matteo Robiglio, Avventura Urbana s.r.l., Italy
16:00 Session 8d: Technology-Enhanced Learning - Skills Acquisition
Chair: Giorgio Da Bormida, ELGI S.r.l., Italy
ICT Certification in Europe
Peter Weiss, FZI Forschungszentrum Informatik, Germany
ICT Literacy and Skills Acquisition Plan in Barcelona 2010-2015
Jordi Roca, Barcelona Activa, Spain
Inspiring Professional Lifelong Excellence in ICT Skills Development
Chryso Charalambous Christodoulou, Digipro Computer Consultants Ltd, Cyprus
Modeling Project Management and Innovation Competences for Technology Enhanced Learning
Sobab Abbas Petersen, Sintef Technology and Society, Norway
16:00 Workshop 8d: Network EU and WBC Research Opportunities: Final WINS-ICT and ICT-WEB-PROMS Event
Chair: Hüseyin METIN, TUBITAK, Turkey
Welcome
Hüseyin METIN, TÜBİTAK, Turkey
Support to the FP7 Participation in the Western Balkan Countries: WINS-ICT and ICT-WEB-PROMS
Desiree Pecaraz, ZSI, Austria & Antonino D’Amico, EBA
The ICT Research Environment in Western Balkan Countries
Sasa Ivanovic, Montenegro Ministry of Education and Science, ICT NCP for Montenegro
The WBC Participation in EU ICT Research Programmes: Data and Success Stories
Betim Cico, Polytechnic University Tirana
The Western Balkan Research Diaspora in Europa
Dejan Karadaglic, University of Manchester, UK
IHP as Access Point for West Balkan Students and Scientists in European ICT Research Programs
Zoran Stamenkovic, IHP GmbH, Germany
How to Contrast Barriers to Research Cooperation, Policy Recommendations for Increasing WBC Participation in FP7
Nikos Zaharis - SEERC
16:00 Session 8e: eHealth - Applications & Case Studies
Chair: Richard Stevens, Italy
Vadeo: Social Network for People with Reduced Mobility
Hector Galan-Marti, Universidad Politecnica de Valencia, Spain
Nutritional Serious-Games Platform
Hector Galan-Marti, Universidad Politécnica de Valencia, Spain

Conference & Exhibition
The 2008-2010 e-Learning Experience of the Public Health Virtual Campus at the University of Guadalajara, Mexico
Igor Martin Ramos Herrera, University of Guadalajara, Mexico

17:30
End of Conference Day
19:00
Gala Dinner

Friday, October 29, 2010

09:00 Workshop 9a: Find your ICT Research Partners. Joint Brokerage Event by Ideal-IST, WINS-ICT and ICT-WEB-PROMS
Chair: Claudia Mühltenfeld, ZENT
Welcome and Scope of the Brokerage Event
Claudia Mühltenfeld, ZENT GmbH, Germany
Finding Research Partners: Ideal-IST Services
Andrzej Galik, National Contact Point for FP7, Poland
Supporting WBC in the field of ICT: WINS-ICT and ICT-WEB-PROMS projects
Desiree Pecaraz, ZSI – Centre for Social Innovation, Austria
Forthcoming FP7 ICT Calls
Daniel Cosnita, IPA, Romania
Project Idea Presentations
09:00 Session 9c: eMobility & Future Internet - Issues & Applications
Chair: Micheáil Ó Foghlu, Waterford Institute of Technology, Ireland
Future Internet Engineering
Wojciech Burakowski, Warsaw University of Technology, Poland
Cognitive Radio Networks for Enhanced Provision of Applications in Future Internet
Radoslaw Piesiewicz, Wroclaw Research Center EIT+ Sp. z o.o., Poland
Cognitive Management System for Intelligent Devices in the Future Internet
Vera Stavroulaki, University of Piraeus, Greece
Using the Energy Name Service (ENS) for Electric Mobility Roaming
Theo Lutz, FIP at RWTH Aachen University, Germany
Secure Mobile Data Access with a Tamperproof Hardware Token
Michael Decker, Karlsruhe Institute of Technology (KIT), Germany
09:00 Workshop 9b: Ethical Implications of the Global Use of Digitised Biomedical and Biometric Data
Chair: Stephan H. Schug, EHTEL, Belgium
Welcome by the European Commission, DG Research (Governance and Ethics)
René Von Schomberg, European Commission, Belgium
Promoting International Debate on Ethical Implications of Data collection, use and re-tention for Biometric and Medical Applications
René von Schomberg, European Commission & Aki Zaharya Menevidis, Fraunhofer-IPK, Germany
Aims and Outlook of the Workshop
Stephan H. Schug, EHTEL, Belgium
Ethical implications of digitised medical and biometric data
Rohaya Mohd Nor, Universiti Malaysia Sarawak, Malaysia
09:00 Session 9f: eHealth - Case Studies

Chair: Richard Stevens, Italy

Case Study from Wielkopolska Telemedicine Center
Michal Kosiodowski, Institute of Bioorganic Chemistry PAS, Poland

Barriers to Overcome for the Implementation of Integrated eHealth Solution in Luxembourg
Cédric Pruski, Centre de Recherche Public Henri Tudor, Luxembourg

Validation of an m-Health solution for the follow-up of postoperative patients of Ambulatory Surgery
Maria-José Nodal, Universidad Politécnica de Valencia, Spain

ISMETT - A Paperless Hospital
Tommaso Piazza, ISMETT, Italy

10:30 Coffee Break: Exhibition & Networking

11:00 Workshop 10a: Find your ICT Research Partners. Joint Brokerage Event by Ideal-IST, WINS-ICT and ICT-WEB-PROMS
Chair: Claudia Muehlenfeld, ZENIT

Face to Face Meetings

11:00 Session 10c: eMobility - Applications

Chair: Micheál Ó Foghlú, Waterford Institute of Technology, Ireland

Inexpensive Optical Ethernet Solutions for High-Reliability, High-Availability Enterprise Networks
Roberto Zambrana, CLARA / Universidad Mayor de San Andrés, Bolivia

Realizing Delay Tolerant Networking as Access Enabler: Services Arising in New Realms and the Driving Applications
John Näslund, Luleå tekniska universitet, Sweden

MURPESS - MULTI Radio Pedestrian Energy Scavenging Sensor network
Alberto Marchetti-Spaccamela, Sapienza University of Rome, Italy

11:00 Session 10d: Technology-Enhanced Learning - Case Studies

Chair: Kim Davis, Research Council of Norway

Brokering in Open Learning Environments
Leena Vainio, HAMK University of Applied Sciences & & Mikko Silvon University of Tampere, Finland

Revoluti Room: Design and Development of A “Classroom of the Future” Model
Henrique Sobreira, Universidade do Estado do Rio de Janeiro, Brazil

Culture and Nature – Learn with the Cell Phone While you are Moving
Nanna Westergård-Nielsen, Gribskov Kommune, Denmark

New Technologies in Nature Science Teaching – Virtual Laboratory of Interactive Teaching
Filip Koczorowski, Poznan Supercomputing and Networking Center, Poland

Challenges to learn Introductory Java Programming by Summer In-service students in Addis Ababa University
Temtim Assefa, Addis Ababa University, Ethiopia

11:00 Workshop 10e: Ethical implications of the global use of digitised biomedical and biometric data
Chair: Stephan H. Schug, EHTEL, Belgium

Ethical Concerns in Non Invasive Medical Imaging: A Case Study and Pilot Framework for Tackling Ethical Challenges in Digital Imaging
Stratos Stylianidis, Geoimaging Ltd, Cyprus

Code of Conduct for FP7 Researchers in Medical and Biomedical Data Privacy
Elena Tavlaki, Arachni Ltd, Greece

First Results from the ETHICAL Delphi Process on the Global Use of Medical and Biometric Data
David Garwood, EHTEL, Belgium

12:30 Closing Plenary 11a

Best Paper Award
Best Demonstration Stand Award
Closing Ceremony

13:00 Lunch: Exhibition & Networking
Registration Information

It is necessary for all eChallenges e-2010 delegates to register separately online. Please use your existing log-in details for Online Registration.

Conference Fees

Authors Fees (Due by 30 June)

- Authors - Poland €200
- 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 - Poland €350
- 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 - Poland €450
- 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
- Networking Cocktail Reception
- Gala Dinner

Terms & Conditions

1. All authors who are presenting a paper or making an oral presentation at eChallenges e-2010 must complete payment registration online by 30 June at the latest, 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 13 September.

4. Delegates’ fees must be paid before admission to the Conference and Exhibition.

5. IEEE Members are entitled to apply for a 10% discount on the appropriate fee. Please provide Membership No. as part of online registration and fax a copy of valid Membership card to +353-1-8170606.

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

7. Each individual must be registered separately on the eChallenges e-2010 Conference portal.

8. 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-2010 Conference”, your name, organisation and invoice number (if relevant).

9. 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.

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

11. Online registration facilitates conference registration, booking of hotel accommodation and tours, attendance at Networking Cocktail Reception and Gala Dinner. It is possible to go back through online registration at any stage, book items not previously confirmed (such as accommodation) and complete payment.

12. The Registration Desk will open on Tuesday 26 October from 17:00 to 19:00 and will remain open during normal Conference hours from 08:00 on Wednesday 27 October.
Exhibition

eChallenges e-2010 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

<table>
<thead>
<tr>
<th>Stand Name</th>
<th>Organisation</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building EU - Western Balkan Region connections in ICT Research</td>
<td>TÜBITAK</td>
<td>Turkey</td>
</tr>
<tr>
<td>Digital Cities</td>
<td>Institute of Communications and Computer Systems</td>
<td>Greece</td>
</tr>
<tr>
<td>The European Grid Infrastructure, Supporting eScience</td>
<td>EGI</td>
<td>Netherlands</td>
</tr>
<tr>
<td>DG Information Society &amp; Media</td>
<td>European Commission</td>
<td>Belgium</td>
</tr>
<tr>
<td>EuroRIS Net and Idealist</td>
<td>IFTR/National Contact Point</td>
<td>Poland</td>
</tr>
<tr>
<td>FUNecole®: ICT and Thinking Skills Development Holistic Curriculum</td>
<td>Digipro Computer Consultants Ltd</td>
<td>Cyprus</td>
</tr>
<tr>
<td>GridSpace2 Virtual Laboratory platform implemented in support of the PL-Grid</td>
<td>ACC Cyfronet</td>
<td>Poland</td>
</tr>
<tr>
<td>Hands-on the Intelligent cargo - the EURIDICE project</td>
<td>Insiel s.p.A</td>
<td>Italy</td>
</tr>
<tr>
<td>IST-Africa</td>
<td>IST-Africa Consortium</td>
<td>Africa</td>
</tr>
<tr>
<td>Next Generation Modelling Framework</td>
<td>BOC Asset Management GmbH</td>
<td>Austria</td>
</tr>
<tr>
<td>Olfish: A Complete Data Recording and Reporting System for the EU Commercial Fishing Fleets</td>
<td>Olrac</td>
<td>South Africa</td>
</tr>
<tr>
<td>PIONIER - Polish Optical Internet</td>
<td>Poznan Supercomputing and Networking Center</td>
<td>Poland</td>
</tr>
</tbody>
</table>