ifip
the leading edge of information technology

News

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World Computer Congress 2010

International Federation for Information Processing
Brisbane Convention & Exhibition Centre, Australia
20-23 September 2010
www.wcc2010.com

News from WCC010

The aim of the 21st World Computer Congress is to bring world class content to delegates, make it the largest IFIP event on record and celebrate IFIP's 50th anniversary.

Papers are now being sought for this world leading event

See http://www.wcc2010.com/cfp_all.html

New look

A completely new Congress design was presented by the Australian Computer Society when it won the rights to host the Congress over competitive bids from other member societies.

The design incorporates many 'wrapper' programs of activities. At the heart of the four day event, was the concept of eight unifying streams. These streams provide IFIP technical committees, partners and sponsors clear direction for content while making it simpler for delegates to pursue areas of interest. The content will be marketed and presented under these streams:

Deliver IT	Engage in the leading IT delivery strategies, methodologies and research	Trust IT	Uncover the latest information on IT security and threats
Value IT	Improve profitability through optimisation of value to clients, stakeholders and customers	Learn IT	Improve workforce skills by capitalising on leading IT education, e-learning, research and recruitment strategies
Govern IT	Develop the practice of ICT by adopting leading governance and e-Government initiatives	Treat IT	Engage and leverage global health IT transformation initiatives
Sustain IT	Reduce carbon emissions by embracing sustainable IT practices	Play IT	Interact in our learning and entertainment IT playground for kids aged 10 to 100

Who is behind WCC2010?

Prof. Klaus Brunnstein – General Congress Chairman

Klaus, from Hamburg Germany and a world authority in ICT security, is the General Congress Chairman and IFIP's immediate Past President. Klaus has overall responsibility for the conduct of the Congress and ensuring it remains a major global calendar event.

Mark Lloyd – International Organising Committee Chairman

At the Premier of Queensland's annual address to the ICT industry, the Hon. Anna Bligh, closed her speech with a strong endorsement of the Congress. Here Mark is pictured updating the 1,000+ attendees about the WCC2010 event. Mark is responsible for delivering the event in Australia.

Prof. Augusto Casaca – International Program Committee Chairman

Augusto, from the Instituto Superior Técnico in Lisbon Portugal, is the IPC Chairman. Augusto is responsible for the scientific input from the many IFIP Conferences which will form the world class academic content of the WCC2010. He will also help lead the non-IFIP content program to ensure a balanced and relevant program.

Conferences

The 17 IFIP conferences listed below will present the scientific content.

These conferences will be chaired by experts from around the globe and papers will be refereed by 1000+ international experts.

DeliverIT

- Wireless Communications and Information Technology in Developing Countries (WCITD 2010)
- Biologically-Inspired Collaborative Computing (BICC 2010)
- Distributed and Parallel Embedded Systems (DIPES 2010)
- Artificial Intelligence in Theory and Practice (IFIP AI 2010)
- Network of the Future (NF)
- Enterprise Architecture, Integration, Interoperability and Networking (EAI2N)
- Human Choice and Computers International Conference (HCC9 2010)
  Track 2: Virtual Technologies and Social Shaping

Trust IT

- International Information Security Conference (SEC 2010)
- Critical Information Infrastructure Protection (CIP)
- Human Choice and Computers International Conference (HCC9 2010)
  Track 3: Surveillance and Privacy

Value IT

- Theoretical Computer Science (TCS 2010)
- Human Computer Interaction (HCI 2010)

Learn IT

- Key Competencies in the Knowledge Society (KCKS 2010)
- History of Computing (HC)

Govern IT	• Global Information Systems Processes (GISP) • E-Government and E-Services (EGES) • Human Choice and Computers conference (HCC9 2010) Track 1: Ethics and ICT Governance
Vitalise IT	• E-Health (EHEALTH)
Sustain IT	• Human Choice and Computers International Conference (HCC9 2010) Track 4: ICT and Sustainable Development
Play IT	• Entertainment Computing Symposium (ECS 2010)

Important dates

Submission of papers: January 31, 2010
Notification to authors: April 23, 2010
Camera-ready copies: May 15, 2010

Partners

SEARCC

The South East Asia Regional Computer Confederation has signed up to partner its 2010 conference with the WCC2010.

The President of SEARCC Prof. K K Aggarwal (India), General Secretary Mr Yasa Karunaratne (Sri Lanka), President of the ACS Kumar Parakala (Sydney) and Yohan Ramasundara (Canberra) are teaming to build high quality content and source excellent keynote speakers from the member societies of SEARCC: Hong Kong, India, Japan, Malaysia, New Zealand, Pakistan, Sri Lanka Taiwan, Thailand and Australia.

YIT

The highly successful International Young ICT Professionals Conference, which featured in the June edition of the IFIP newsletter, will partner it's 7th annual conference with the WCC2010.

This partnership will have mutual benefit for young people and the participants of the WCC2010.

VITTA & QSITE

The Victorian Information Technology Teachers Association Inc.

QSITE

The World Computer Congress 2010 promises more value to the education sector. Under the Learn IT stream of WCC2010, both VITTA and QSITE, Australian IT teachers associations have join forces with IFIP WCC2010.

The conferences of these associations attract large numbers of IT educators from around Australia and abroad. Partnering with these associations will also bring innovative and quality content to the WCC2010.

IMIA

IFIP and the International Medical Informatics Association (IMIA) have joined forces to develop its E Health conference as part of the Treat IT stream. The Vice President of IMIA, Professor and Director Hiroshi Takeda from Japan is leading this initiative. Horoshi is also the President of the Japanese Association of Medical Safety in National University Hospitals.

Govern IT Stream

The Australian Government in collaboration with the Australian Computer Society is looking to schedule the regular meeting of Government CIOs to coincide with the Congress.

Other CIOs from around the world will be attending the Congress making the Congress potentially one of the largest gatherings of CIOs in the world in 2010.

News

The Congress was marketed to over a thousand attendees at the Premier of Queensland's annual address to the State's ICT industry. The Hon. Anna Bligh continues to be a major supporter of the Congress. Her Government is a major sponsor. Her video of support can be seen on WCC2010 web site.

Mark Lloyd Chairman WCC2010 IOC, Minister for ICT Robert Schwarten, The Hon. Anna Bligh Premier Queensland, Nick Tate Branch Chair ACS Queensland.

A draft contract has been prepared to sign up organisations wanting to showcase and provide ICT training courses to delegates and the public either side of the Congress.

For enquiries contact:
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c/ Event Planners Australia
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E: info@wcc2010.com

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IFIP General Assembly meets in Ha Noi, Viet Nam

(by Eduard Dundler)

The IFIP General Assembly, comprising one representative from each of the 53 national Full Member Societies and the Chairs of the Technical Committees met in Ha Noi, Viet Nam end of August following WITFOR 2009. Prof Basie von Solms (South Africa) conducted as President the meeting. In his report he noted that 2008/2009 has been a very interesting and exciting year for IFIP. Several issues were resolved during this period, but some are still open, including proposals for a new membership model, a new financial model to take IFIP into its next decade. IFIP has enriched its scope and visibility by the successful organization of the World IT Forum (WITFOR 2009) under the enthusiastic leadership of IFIP's Vice President Leon Strous.

Dr. Roger Johnson reported that the International Professional Practice Partnership (IP3) project has made good progress. Three new members joined IP3 in July 2009: CSSA (South Africa), IPSJ (Japan) and NZCS (New Zealand). General Assembly approved the "IP3 Board" proposal as an interim management structure for the IP3 project. IFIP Executive Committee has been asked to work with IFIP member societies represented in IP3 to prepare a set of Terms of Reference to regulate the longer term operation of the IP3 project and its relationship to other IFIP bodies.

Among the actions taken by General Assembly were the election of Mr Leon Strous (Netherlands) as President Elect. the election of two new Vice Presidents: Dr. Ramon Puigjaner (Spain) and Mr. Lalit Sawhney (India); Among the actions taken by the General Assembly were the election of Dr. Kai Rannenberg, Dr. Bernhard Eschermann, Mr. Don Robertson and Mr. Jan Wibe. Ms Dr. Maria Raffai has been elected as Honorary Secretary. She will take over her office in 2010.

Dr. Ramon Puigjaner

Leon Strous

Lalit Sawhney

A new agreement with the ACS for operation and maintenance of the Digital Library was completed. All IFIP publications published by Springer in 2007 and 2008 are in IFIP'S DL. Springer closed the Norwell/Boston office and transferred the work on IFIP main series to Heidelberg, Germany. The IFIP Main Series will be managed by the same Heidelberg group that manages the Springer LNCS Series with some additional advantages, like typesetting of the books, generation of tables of content, running page numbers will be created by Springer.

Substantial agreement between IFIP and Springer was reached on the terms of a new publications contract. The new contract will be ready for signature within the next months.

Finance reported a deficit of 41K EUR for 2008 and an expected deficit of 40K EUR for 2009 as a consequence of financing several IFIP projects.

Dr. Maria Raffai

General Assembly decided that no invitations for a World Computer Congress 2012 (WCC 2012) will be extended. Suggestions for redesigning the World Computer Congress were presented. The President will collect all ideas and come back with a draft proposal at next Board meeting.

AICA (the italian computer association) suggests ECDL/ICDL certifications for students

Why ICT certification for students ?

The ever faster pace of technological innovation is increasing the ICT skills gap, in terms of inadequate level of individual competences, mismatch between individual competences and industry and academic needs.

Young people are digital natives, for whom digital technologies already existed when they were born, and are consuming technology and media in ways alien to adults. In spite of the fact they perceive themselves as having excellent ICT skills, the majority of them use technology just to support their basic communication and entertainments needs. A research performed in U.S.(*), the country with the highest ICT diffusion, indicates that students do not generally perform at the level they themselves believe to perform; the majority of them lack the skills necessary to succeed in both school and workplace. A final recommendation of the research is the development of national standards for the ICT knowledge and skills necessary to perform at the university level or in the workplace.

An italian class proud of ECDL certificate

Such a situation requires evaluation systems based not only on technological competences, but also on the capabilities of using these technologies.

A well established trend in Europe is the evaluation of competences through certification processes following standard procedures recognized at an international level. ECDL / ICDL is the global standard in end-user computer skills and is an internationally-recognized certification designed, validated, and approved by international experts from around the world.

This certification defines the set of skills and knowledge that students need, provides objective verification of student skills and demonstrates the achievement of a recognized standard. ECDL / ICDL has become the de facto standard of digital literacy in many educational systems around the world. In the Italian market ECDL is a quite relevant qualification to schools: it's offered by over 1500 high schools (around ¼ of the total number) and over 900.000 students (one out of four high-school and university students) have completed or are undertaking ECDL. The success achieved by ECDL in schools must also be attributed to its support on behalf of governmental Institutions , as the Ministry of Education, which have contributed to spreading the culture of informatics certifications to this segment of the population.

(*) Communication of the ACM, April 2007/ Vol.50. N.4

WCCE 2009 and the Bento Gonçalves Declaration for Action: Education and technology for a better world

TC3 (Technical Committee for Education) held the 9th World Conference on Computers in Education (WCCE 2009), in Bento Gonçalves, Brazil, 27-31 July 2009. It was the first WCCE to be held in South America. The 8th WCCE(2004) was held in Stellenbosch, South Africa… and the first one in Amsterdam, The Netherlands, in 1970!

WCCE 2009 was hosted by the Brazilian Computer Society - SBC, and organised by UFRGS (Universidade Federal do Rio Grande do Sul).

The theme was **Education and technology for a better world.** The conference covered all levels of formal education as well as informal learning arenas, societal aspects and challenges that are faced by developing countries. The conference brought together 400 professionals from all continents working in the field of Education and ICT. As a follow up of the Stellenbosch Declaration (2004), the conference produced a strong declaration for action for a better world.

Sindre Roesvik, WCCE 2009 IPC Chair and TC3 vice-chair, Valentina Dagiene, TC3 vice-chair and Bernard Cornu, TC3 chair, preparing the WCCE Programme at Iguassu Falls!

The ideas, recommendations and reflections provided by all conference participants and speakers suggest a number of main themes for concrete actions. At the heart of the submissions it is clear **the learner** and **the teacher** are necessary to realise the benefits of education and technology for a better work. In order for the benefits to be realised, the teacher and learners need a **curriculum** that is shaped as a result of **initiatives** that are local and global. This milieu of teaching and learning is enabled by the **professionalism** of the educators, the **research** that provides new insights and meanings to better exploit the technologies we have and are emerging, utilising the **learning environments** that provide a gateway to new ways of discovering resources and ways of learning in closed and **collaborative communities**. Together the 8 themes are the basis of concrete actions.

The Bento Gonçalves Declaration is available on the TC3 website: http://www.ifip-tc3.net/

Bernard CORNU, TC3 Chair

Sindre ROESVIK, WCCE 2009 IPC Chair, TC3 vice-Chair

INTERACT 2009 Workshop: Ethics, Roles and Relationships in Interaction Design in Developing Regions

by Niall Winters, Andy Dearden & John Traxler

For two days in late August, the workshop on 'Ethics, Roles and Relationships in Interaction Design in Developing Regions' at INTERACT 2009 brought together academics, education practitioners, interaction designers and NGOs to discuss how interaction design might make in improving the lives, livelihoods, and life opportunities of people in developing regions. The workshop was the fourth in a series organised by special interest group 13.1 on Interaction Design and International Development, following previous successful events at the CHI 2008 and 2009 conferences, and at the Participatory Design Conference 2008.

(Continued on page 8)

(Continued from page 7)

Uniquely this time, the workshop mixed online presentations and discussion with face-to-face participation, to make it easier for researchers with limited financial resources to participate. Despite time differences of up to 10 hours, we managed some very enlightening and fruitful discussions.

As a group, we were interested in core themes of ethics, roles and relationships and spent time reflecting on our previous experiences, both good and bad of various projects across our areas of expertise. This lead us to develop a series of pragmatic questions that should be asked about any project before it begins. There was a clear drive, especially from the NGOs and others working at 'the coal face', to have the proposed 'beneficiaries' of any project define their own goals and objectives. This means external actors must be explicitly clear about who you are interacting with, who is potentially vulnerable to harm (and in what ways), and how to act in ways that maintain people's dignity and autonomy.

In order to support further understanding of these issues, particular among those new to the field, the participants developed a series of scenarios and stories that help to question assumptions that are easy to make when working in developing regions.

The papers from the workshop are available on-line at https://sites.google.com/a/lkl.ac.uk/idfdr/papers, and there are links to other resources, workshop outputs and resources from that site. The site is a wiki and IFIP SIG 13.1 shall be using it to collate and develop more resources to support work in this area.

4th Latin American Conference on Human-Computer Interaction (CLIHC'09)
7th Latin American Web Congress (LA-Web'09)

The Fourth Latin American Conference on Human-Computer Interaction (CLIHC'09) and the 7th Latin American Web Congress (LA-Web'09) will be jointly held on November 9–11, 2009, in Mérida, Yucatán, Mexico (http://latin-web.org).

Over the years, CLIHC has become one of the largest international conferences in its field in the Latin American region, with important attendance of researchers from the international scientific community.

This year, as in previous years, full papers, short papers and posters were received in the three official languages of the event: English, Portuguese, and Spanish. For the 4th edition of CLIHC, we received 56 submissions by authors from ten different countries. The submissions were reviewed by an international Program Committee. Accepted papers written in English will be published in IEEE proceedings, which will contain 15 papers, selected after thorough evaluation. Special proceedings containing Portuguese and Spanish short and full papers are published in a separate issue. Both volumes are structured in tracks that reflect important domains addressed by the HCI and Web technologies communities: Mobile and ubiquitous computing, Intelligent and adaptive interfaces, Methods and tools in HCI, Social and cultural issues, Social communities and user-generated content.

The scientific content of the joint CLIHC'09 and LA-Web'09 conference is completed by two talks by renowned invited keynote speakers: Saul Greenberg, Department of Computer Science, University of Calgary, Canada, and Ricardo Baeza-Yates, Yahoo! Research.

We want to cordially thank all people involved in the organization of this conference, headed by Marcela D. Rodríguez and Monica E. Tentori. We thank the Program Committee members for their contribution and authors for having chosen CLIHC and LA-Web for publishing excellent research results that bring value to the proceeedings and sense to the work of all other people involved.

Edgar L. Chávez, CICESE
LA-Web'09 Program Chair Ensenada, B.C. México

Elizabeth S Furtado, UNIFOR
CLIHC Program Co-chair Fortaleza, Brazil

Alberto L. Morán, UABC
CLIHC Program Co-chair Ensenada, B.C. México

IP3 News

IP3 meeting - London, July 2009

IP3 met at Birbeck College, London from on 16 and 17 July 2009. The meeting included representatives from the founding societies (ACS, BCS, CIPS, IEEE-CS and IFIP), as well from New Zealand Computer Society and Computer Society South Africa, both of whom are new IP3 members.

At this milestone meeting, a Business Plan, which has been developed over the past several months by a sub-committee, was adopted. This Plan will be used to guide IP3 as to the activities over the short- and long-term.

With regard to governance, a board structure was agreed on. Charles Hughes stepped down as Chairman – but will remain on the Board as a co-opted member – and Greg Lane of CIPS was elected as the new Chairman. Greg is passionate about Professionalism in IT, and IP3 are delighted to have a capable replacement for Charles. The Board was unanimous in its thanks to Charles, for so ably steering IP3 from its inception to a much more mature state.

Charles Hughes received IFIP Outstanding Service Award in recognition of his service to the IP3 programme.

The citation read "Charles Hughes has been very active in IFIP for nearly 3 years as the Chair of IP3". In July this year he handed over the Chair although he will remain on the IP3 Board as Past Chair.

Charles has built up the IP3 team to about 12 people and raised the current IP3 membership to seven societies with many more expressions of interest to be followed up. He has led the IP3 team as it has created a rigorous accreditation procedure and completed the accreditation of the first two societies.

IP3 has resulted in knowledge of IFIP reaching many organisations which previously knew little or nothing about it. It has contributed substantially to raising the external profile of IFIP as set out in the IFIP Strategy Report.

In addition, he has worked hard to raise the worldwide acceptance of the importance of IT professionalism. He has given numerous presentations to audiences around the world and proved a powerful advocate for IFIP and IP3.This has included attending a small lunch for 15 opinion formers with Bill Gates. In addition, he has succeeded in raising a substantial amount of support in kind from a number of companies.

The result of the IP3 project so far has been to raise both the global profile of IFIP and the need for IT professionalism to new heights." This was proposed by the IFIP President, and approved at the GA in Ha Noi.

Professional designation

For various reasons, IP3 decided to no longer use the IITP designation for accredited IT Professionals. The designation would be IP3P. Recipients of Professional status at member society's can, if desired use these letters as a post-nominal. A "certification mark" will also be developed which certified professionals can use on their business cards, e-mail signatures etc.

Having substantially completed the implementation of the IP3P certification based on competence requirements at or equivalent to SFIA level 5, IP3 has now embarked on an investigation of the scope for a lower level certification. This will probably have a competence requirement at or equivalent to SFIA level 3 and will be designed to recognise the achievements of those who are either en route to the IITP level or for whom an intermediate level is the career expectation.

Culminis

IP3 has joined, a global network of IT practitioners, which has links to Microsoft and shares IP3's commitment to raising professional standards and has resources to provide support for a range of projects. To get a sense of how important Culminis view the partnership with IP3, read "Connecting the Dots", a blog by newly elected Culminis Chair, Graham Jones. It's well worth taking the time to read this.

(Continued on page 10)

(Continued from page 9)

CIPS Awards IP3P

At a prestigious lunch time event at Harbour Towers, Victoria, BC, Canada, 21 qualified professionals were awarded the CIPS Professional qualification – ITCP. The certificates were presented by Dave Nikolejsin, the Chief Information Officer of the BC Government. The picture below shows Blaine Bey, President of CIPS BC getting his ITCP Certification from Dave Nikolejsin, the Chief Information Officer of the BC Government (centre). Michael Gergel, President of CIPS Victoria is at the right of the picture.

All the recipients can now use the IP3P designation, indicating that they have global IT Professional status.

In introducing the awards, Roger Hart, IP3 Director and CFO, said "IP3 Certified Professionals, who understand a broad range of IT disciplines, adhere to a strong code of ethics, and follow our emerging best practices are better able to provide the process assurances to deliver reliable IT services. Such IT Professionals can play a leadership role in their respective organizations and help ensure that Canada once assumes a leading position in IT capability."

IP3 at WITFOR

IP3 are very conscious that to meet the objective of creating a global profession, it is important to encourage and support societies and governments from Developing Countries to embrace Professionalism in IT. To this end, two lunch time presentations were held during Witfor in Ha Noi in August. Roger Johnson, IFIP IP3 board member, delivered the presentations, and he was assisted by Don Robertson (NZCS) for the Q & A sessions. IFIP President Basie von Solms chaired the session on the first day. Although numbers attending were disappointing, with about 35 on the first day and about 20 on the second, there was much interest expressed in IP3 by those delegates who did attend. IP3 will plan further activities to engae with Developing Countries in the coming months.

For more information contact editor@ipthree.org

Moira de Roche , September 2009

Touch of Class: new book teaches programming from the outside in

Bertrand Meyer, TC2 chair, just published "Touch of Class: Learning to Program Well with Objects and Contracts" (Springer, 2009).

Touch of Class uses a novel "outside-in" approach to teaching introductory programming, making learning programming fun and rewarding. Instead of the traditional low-level examples, the book builds the presentation on a rich object-oriented software system supporting graphics and multimedia, which students can use to produce impressive applications from day one, then explore "from the outside in" as they learn new programming techniques.

Touch of Class combines a practical, hands-on approach with sound theory. Throughout the presentation of software concepts, the book relies on the principles of Design by Contract, critical to software quality and providing a gentle introduction to formal methods.

The coverage is both ideep and wide. In addition to core programming concepts such as control structures, algorithms and fundamental data structures, it encompasses recursion, reference and pointer manipulation, inheritance and associated techniques of polymorphism and dynamic binding, topological sort as an example of algorithm and API design, syntax description techniques, important design patterns such as Observer and Visitor, event-driven programming, high-level function closures and software tools. The final chapter is a detailed introduction to the challenges and techniques of software engineering.

The use of full colour brings programming concepts to life; the text includes numerous colour figures and photographs.

Contents:

I. Basics.
- The industry of pure ideas.
- Dealing with objects.
- Program structure basics.
- The interface of a class.
- Just enough logic.
- Creating objects and executing systems.
- Control structures.
- Routines, functional abstraction and information hiding.
- Variables, assignment and references.

II. How things work.
- Just enough hardware.
- Describing syntax.
- Programming languages and tools.

III. Algorithms and data structures.
- Fundamental data structures, genericity, and algorithm complexity.
- Recursion and trees.
- Devising and engineering an algorithm: Topological Sort.

IV. Object-oriented techniques.
- Inheritance.
- Operations as objects: agents and lambda calculus.
- Event-driven design.

V. Towards Software Engineering.
- Introduction to software engineering.

VI. Appendices
- An introduction to Java.
- An introduction to C# .
- An introduction to C++.
- From C++ to C.

Reference: Bertrand Meyer, Touch of Class: Learning to Program Well with Objects and Contracts (Hardcover), Springer, 2009, 876 + lxiv pages.
Full-color. ISBN 978-3540921448

Bertrand Meyer is Professor of Software Engineering at ETH Zurich, the Swiss Federal Institute of Technology, and Chief Architect of Eiffel Software in Santa Barbara, California. Awards include the Dahl-Nygaard prize and the ACM Software System award; he is also an ACM fellow and president of Informatics Europe.

European Computer Science Summit and ACM-Europe reception: Honoring the best in European Computer Science Paris, 7-9 October 2009

The European Computer Science Summit (ECSS), the annual conference of Informatics Europe (http://www.informatics-europe.org), takes place in Paris on Oct. 8-9, with a special workshop for new department chairs on Oct. 7.

ECSS 2009 has the theme "Informatics among the Sciences - Scientific principles in Informatics" and a stellar roster of speakers including Joseph Sifakis from CNRS, 2007 ACM Turing Award winner, Wendy Hall from Southampton, Alain Berthoz from the Collège de France, Georg Gottlob from Oxford, Mark Harris from Intel, Marko Tadic from Zagreb, Khalil Rouhana from the European Commission and others.

As a special feature, ECSS 2009 will include on Oct. 8 the launch of ACM-Europe, with an award banquet honoring Turing awards, ACM fellow and other European contributors to the advancement of computer science. The venue for the ECSS and the ACM-Europe event is the Ibis Hotel Berthier.

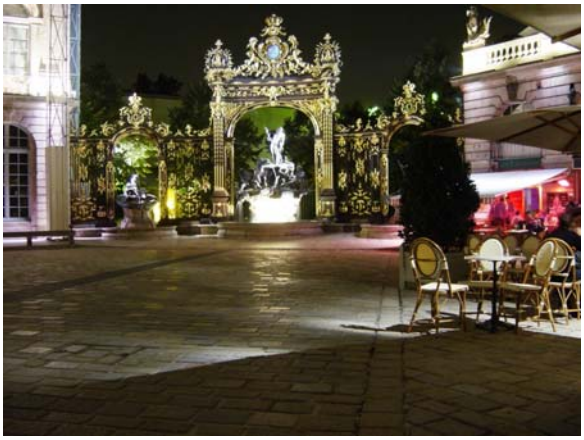
We hope you can attend both events. ECSS Information and registration are available at http://www.informatics-europe.org/ECSS09/.

Informatics Europe (http://www.informatics-europe.org) is the association of European computer science departments in academia and industry. The current president is Prof. Bertrand Meyer from ETH Zurich, also chair of IFIP TC2.

Virtual Goods and Open Digital Rights Language 2009 Review of a Successful Workshop in Nancy, France

By Rüdiger Grimm and Jürgen Nützel

On Sep 22, 2009, we had our annual workshop on Virtual Goods and Open Digital Rights Language in Nancy, France. We enjoyed the hospitality of INRIA and LORIA, as well as the University of Nancy, which hosted our workshop as a self-reliant part of I3E – the annual flagship conference of the IFIP working group 6.11 on E-Business, E-Services, and E-Society. This was the third time that we met in this community: the 7th International Workshop for Technical, Economic and Legal Aspects of Business Models for Virtual Goods incorporating the 5th International ODRL Workshop. Like in the years before, the workshop was preceded by the ODRL working group meeting the day before, at which a small group of activists continued their concrete work developing version 2 of the ODRL language, including outlooks to further developments such as RDF (for semantic applications) and micro format (for Web pages) specifications.



Place Stanislas by night in the vieille ville of Nancy

The workshop has two aims: firstly, to discuss the challenges of virtual goods in all its multilateral aspects, and secondly, to bring the community together not only in a professional, but also in a personal way. Many participants had also visited earlier workshops and thus have established close and trustful personal relationships. We make sure, that we come together for lunch and in the evening, and we enjoy personal talks, as well as the local spirit of our hosting environment. This year we visited the spectacular Place Stanislas in the centre of the vieille ville of Nancy, which offers many first class restaurants and cafes.

In the workshop sessions researchers and practitioners exchange ideas about the development of the real world of virtual goods. Virtual goods comprise the digitization of real goods such as multimedia for entertainment and information, as well as new e-services like e-booking, e-conferencing, and e-contracting. The upcoming of e-games and social networks, as well as all the business in these virtual environments, is only one of the highly important challenges of the new Web technologies. Understanding the virtual world, and designing a better virtual world, this was the aim of this workshop. The complexity of this world can be identified through different disciplines: technology, economy, and jurisdiction. Bill Rosenblatt was our invited speaker and reminded us, that we should not underestimate the fourth column of our problem agenda: the behavioural and societal aspect of the Internet.

(Continued on page 13)

(Continued from page 12)

No doubt was Bills speech the highlight of the workshop. He oriented his analysis of the past, present and future of digital rights management along Lessig's four factors that drive the Internet. These factors are exactly the program outline of our workshop. We learnt from Bill that the classical digital rights management, which was so much oriented at the copyright enforcement, is on the way – and should be driven – towards a more open bundle of control and information instruments. He summarized these "future possibilities" in rights languages, content identification, connected devices, and information assurance.

Bill Rosenblatt speaks about the past, present and future of DRM

Rights languages constitute one of the core topics of our workshop, which contains ODRL in its title. Renato Iannella who is the founder of the successful ODRL initiative, told us in another important talk that rights languages are good for far more than only for the specification of rights and their enforcement. He gave a perspective on the policy driving factors from the Social Networks experiences using real-world use cases and scenarios. He promotes a new generation of Policy-Aware Web technology which hold the key for providing open, distributed and scalable information access on the World Wide Web.

In the four sessions of the day, we discussed "technical challenges", "legal aspects", and "architectural designs. To give just a few examples of the contributions: we learnt about a novel approach to hybrid music search by combining methods of Music Information Retrieval (MIR) and Web 2.0 techniques to reach a new quality in recommending and distributing global music collections; we studied a watermarking technique for real time embedding by using the watermarking container concept; we discussed a security and trust architecture that includes solutions for integrity protection of data and software, and we learnt about recent changes of the copyright law, for example: should the rules governing the physical world be replicated in the digital environment or would it be more sensible to adopt a different approach that would account for the distinctive advantages of digital technologies?

Lunch in the cafeteria of LORIA, which hosted the workshop.

Also the behavioural aspect of dealing with virtual goods was subject to an intense discussion: ODRL licences that are created by and exchanged among users express the rights status of all your media files on your workstation with the help a simple traffic-light colour scale. This is made for education and awareness in the first place.

It is worthwhile to look into the slides and full papers published on our continuously maintained Web pages at http://www.virtualgoods.org/2009/. By the way, on the respective homepage you find already the announcement of our next workshop in Sep 2010 in Namur, Belgium.

EU, IFIP and the Big Pie

AS you might know:

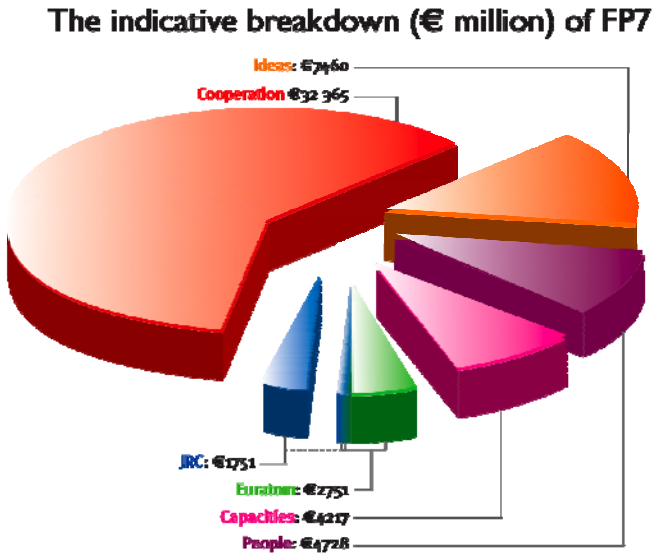
The EU C: Within the framework of the FP7, the EU Commission (EU C) has assigned more than €50 Billion (fifty Billion Euro) to support Research and Technological Development within EU Marketplace. This huge amount of money is distributed on timeframe of 7 years (2007-2013).

The pie is divided onto seven fields as follows

Cooperation- Collaborative research
Ideas- European Research Council
People- Human Potential, Marie Curie actions
Capacities- Research capacities
Nuclear research and training
Joint Research Centre

The Pie

Breakdown is illustrated in the following graphic:



The Cooperation Programme breakdown (€ million)

Our IFIP

The vast spectrum of the competencies of the IFIP members, from one hand, and the international widespread of our activities, including universities & research institute and leading industries, it is likely that we are able to contribute to each of the above-mentioned seven fields.
Accordingly, the IFIP members are encouraged to join one of the consortiums competing for a piece of the pie.

Outside the EU: It must be noted, that any universities or industry outside the EU are also allowed & welcomed to join any consortium.

For further information:
http://cordis.europa.eu/fp7/
or ask one of the gurus:
Prof. Guy Pujolle, Pierre & Marie Curie University (UPMC) Guy.Pujolle@lip6.fr
Prof. Olli Martikainen, University of Oulu olli.martikainen@etla.fi

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CONFENIS'2009

28-30 of October, 2009.

Hungary (EU) Győr, Famulus Hotel, Conference Centre

http://rs1.sze.hu/~raffai/confenis2009/

The Enterprise Information Systems International Conference on Research and Practical Issues of EIS (CONFENIS) is a primary international event of the IFIP TC8 Working Group 8.9. This program provides an opportunity for academicians and practitioners throughout the world to gather, exchange ideas, and present original research in the field of enterprise information systems. The CONFENIS'2009 Conference is sponsored mainly by the International Federation for Information Processing (IFIP), TC8, and WG8.9 on Enterprise Information Systems, hosted by the John von Neumann Computer Society (NJSZT) and locally organized by the Community of Scientific and Educational Forum on Business Information Systems (NJSZT GIKOF) and the Szechenyi Istvan University (SZE).

The themes include:

- EIS development methodologies: analysis, modeling, design, implementation and testing
- enterprise architecture design and modeling; concepts and standards: modeling language (UML), model-driven architecture (MDA), component-oriented architecture, service-oriented architecture (SOA)
- business process and workflow modeling, integration, monitoring and management
- Enterprise Resource Planning (ERP); EIS and e-logistics, global e-supply chain management, supplier relationship management (SRM), customer relationship management (CRM)
- EIS concepts for specific domains (e.g. electronic and mobile commerce, and/or vertical domains such as production, services, finance, telecommunication, education, agriculture, transportation, healthcare, administration, government etc.)
- inter-enterprise collaboration and virtual enterprises
- technologies for collaborative enterprise computing
- business intelligence, ontology, knowledge management related to EIS
- trust, security and privacy issues; quality assurance in enterprise computing
- future generation enterprise information systems, applications, case studies, management issues

Proceedings, Editors

The Organizing Committee will publish the Proceedings on CD, and if there will be demand enough for the printed version then OC manages the publishing at the Springer for extra charge of the proceedings book. The papers will be published in the IFIP Digital Library, and the extended reviewed version of the overall best papers will be published in a special edition of SEFBIS Journal (Palatia Publishing) or in the journal entitled Enterprise Information Systems (Editor: Taylor and Francis).

Detailed information: http://rs1.sze.hu/~raffai/confenis2009/

IFIP WG 11.2 : Pervasive Systems Security

Established in 1985 as the working group on Office Automation, known until 2009 as the working group on Small Systems Security, WG 11.2 has refocused themselves as the working group on Pervasive Systems Security.

The new aims and the scope of the working group are briefly summarised as follows:

- To investigate methods and issues in the area of information security, particularly related to pervasive systems; and to advance knowledge and awareness of the subject through publications, conferences and other means. The aim is to address pervasive systems security (including privacy) from both a functional, technical, and societal perspective.
- To foster public debate on the societal and policy issues surrounding the security and privacy of pervasive systems.

Officers

Chair:

Dr. Jaap-Henk Hoepman, TNO / Radboud University Nijmegen, The Netherlands.

Vice chair:

Damien Sauveron. XLIM, University of Limoges, France

Secretary:

Dr.Flavio Garcia, Radboud University Nijmegen, The Netherlands

Workshop Background and Goals

The impact of pervasive and smart devices on our daily lives is ever increasing, and the rapid technological development of information technologies ensures that this impact is constantly changing. It is imperative that these complex and resource constrained technologies are not vulnerable to attack. This workshop will consider the full impact of the use of pervasive and smart technologies on individuals, and society at large, with regard to the security and privacy of the systems that make use of them.

The workshop seeks submissions from academia and industry presenting novel research on all theoretical and practical aspects of security and privacy of pervasive systems and smart devices, as well as experimental studies of fielded systems.

We encourage submissions that address the application of security technology, the implementation of systems, and lessons learned. We encourage submissions from other communities such as law and business that present these communities' perspectives on technological issues.

More information about previous and future editions: http://www.wistp.org/

Passau from the South. In front the Inn River

Some of forthcoming IFIP events. For a full list of events, please look at http://www.ifip.org

International Symposium on Environmental Software Systems http://www.isess.org	ISESS 2009	**6-9.10.2009** Vienna, AT
HWID 2009 Working Conference on Usability in social, cultural and organizational contexts http://ilex.cbs.dk/hwid/	HWID 2009	**7-8.10.2009** Pune, IN
10th IFIP Working Conference on Virtual Enterprises http://www.pro-ve.org	PRO-VE 2009	**7-9.10.2009** Thessaloniki, GR
15th Intl. Workshop on Cellular Automata and Discrete Complex Systemshttp://www.mackenzie.br/Automata2009.html	AUTOMATA 2009	**10-12.10.2009** São José dos Campos, SP, BR
17th IFIP/IEEE International Conference On Very Large Scale Integration http://www.inf.ufrgs.br/vlsisoc/	VLSI-SoC 2009	**12-14.10.2009** Florianópolis, BR
4th IFIP TC2 Central and East European Conference on Software Engineering Techniques http://www.cee-set.agh.edu.pl/	CEE-SET 2009	**12-14.10.2009** Krakow, PL
2nd IFIP WG5.8 Workshop on Enterprise Interoperability http://www.iwei.info/	IWEI 2009	**13-14.10.2009** Valencia, ES
EduTech 2009 http://www.inf.ufrgs.br/edutech/	EduTech 2009	**15-16.10.2009** Florianópolis, BR
The 3rd IFIP Intl. Conf. on Computer and Computing Technologies in Agriculture http://www.iccta.cn	CCTA 2009	**15-16.10.2009** Beijing, CN
6th Latin American Network Operations and Management Symposium http://www.lanoms.org/2009/	LANOMS 2009	**19-21.10.2009** Punta del Este, UY
The IFIP International Conference on Research and Practical Issues of Enterprise Information Systems http://rs1.sze.hu/~raffai/confenis2009/	CONFENIS 2009	**28-30.10.2009** Györ, HU
21st Intl. Symposium on Computer Architecture and High Performance Computing http://regulus.pcs.usp.br/sbac2009/	SBAC-PAD 2009	**28-31.10.2009** Sao Paulo, BR
21st IFIP Intl. Conf. on Testing of Comm. Systems and 9th Intl. Workshop on Formal Approaches to Testing of Software http://kimba.mat.ucm.es/testcom-fates09/	TESTCOM/FATES 2009	**2-4.11.2009** Eindhoven, NL
6th Intl. Workshop on Formal Aspects of Security & Trust http://www.iit.cnr.it/FAST2009/	FAST 2009	**5-6.11.2009** Eindhoven, NL
2nd IFIP WG8.1 Working Conference on The Practice of Enterprise Modeling http://poem.dsv.su.se/	PoEM 2009	**18-19.11.2009** Stockholm, SE
IFIP 4th International Workshop on Self-Organizing Systems http://www.iwsos2009.ethz.ch	IWSOS 2009	**9-11.12.2009** Zurich, CH
IFIP Wireless Days Conference 2009 http://www.wireless-days.org/	Wireless Days 2009	**15-17.12.2009** Paris, FR
3rd International Conference on New Technologies, Mobility and Security http://www.ntms-conference.org/	NTMS 2009	**20-23.12.2009** Cairo, EG
Sixth Annual IFIP WG11.9 International Conference on Digital Forensics http://www.ifip119.org/Conferences	**ICDF 2010**	**3-6.1.2010** Hong Kong, CN
The 7th Annual IEEE/IFIP Conference on Wireless On-demand Network Systems and Services http://wons2010.tlc.polito.it	**WONS 2010**	**3-5.2.2010** Kranjska Gora, SI
The 5th International Precision Assembly Seminar http://www.ipas2010.org	**IPAS 2010**	**14-17.2.2010** Chamonix, FR
Doctoral Conference on Computing, Electrical and Industrial Systems http://www.uninova.pt/~doceis	**DoCEIS'10**	**22-24.2.2010** Caparica, PT
World Computer Congress 2010 http://www.wcc2010.org	WCC 2010	**20-23.9.2010** Brisbane, AU