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News

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ifip

WCCE 2013

WCCE 2013

We would like to draw your attention to the **10th IFIP World Conference on Computers in Education** (WCCE 2013), an IFIP (International Federation for Information Processing, http://www.ifip.org) event hosted by the Nicolaus Copernicus University of Toruń, Poland, http://wcce2013.umk.pl/.

learning while we are connected

is the main theme for WCCE 2013. The conference will enlighten and explore different perspectives of this theme, covering all levels of formal education as well as informal learning arenas, societal aspects and challenges that are faced by developing countries.

The conference aims to focus on present available educational resources, exceptional good educational practice, visions for future development and historic perspectives. This event will be an excellent meeting place both for the professionals and novices, experienced teachers and learners that want to be updated on the state of art and route to the future learning environments. We want you to explore and make contact with other players to enrich your network for coming years.

We would like to highlight the presence of the following keynote speakers:

1. **Mitchel Resnick** (MIT); he has developed **the Scratch programming** language and online community, used by millions of young people around the world.
2. **George Simens** (Athabasca University); an educator and researcher on learning, an initiator of **connectivism**.

We encourage you to participate in this conference which will focus on the following areas:

- ◊ Changing pedagogy: formative assessment, teacher role, student role, e-pedagogy.
- ◊ Emerging tools for education: wiki, blog, social networking, Web 3.0, mobile technologies.
- ◊ Learning 3.0 vs. digital pedagogy: collaborative, adaptive, personalised, learner centred.
- ◊ Developing computational thinking: learning programming, visualisation of algorithms, modelling, simulation, informatics / computing curricula, understanding computing.
- ◊ Attracting students to learn science: interactive learning, collaborative investigations, team work, virtual laboratories.

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- ◊ Re-engineering teacher education: new teacher roles, professional development, pre-service education, peer learning, practices research.
- ◊ Collaborative learning communities: online, social networking.
- ◊ Researching ICT in education: new research approaches, innovative strategies, new models, complex systems, inquiry learning.
- ◊ Learning through games and simulation: online gaming, contests, competitions, serious games, science simulations.
- ◊ e-Inclusion and e-Participation: special educational needs, gender issues.
- ◊ Virtual schooling: learning objects, distance learning, curriculum integration, mentoring, evaluation issues, teacher collaboration, PLE, lifelong learning.
- ◊ Re-structuring education systems: policy, e-safety, restructuring classrooms, learning spaces, change theories.

Workshops, panels, and discussions on new pedagogical strategies such as: one-to-one, flipped classroom, mobile learning, robot programming, and BYOD will be also organized.

Workshops, tutorials as well as software-tools demonstrations dedicated to technical and scientific topics are also envisaged: companies interested in presenting their products and methodologies or researchers interested in holding a tutorial are invited to contact the conference organizers.

WCCE 2013 will be hosted by the city of Toruń, one of the most beautiful cities in Poland, the home city of the great Polish astronomer Nicolaus Copernicus, who "stopped the Sun and moved the Earth", see http://edu.rsei.umk.pl/wcce2013/?q=node/25. You are welcome also to spend your holiday in beautiful Northern Poland: in Gdańsk at the Baltic See, where the Solidarity movement was born, or in the region of Polish Great Lakes (Mazury).

Please check further details at the WCCE conference website http://wcce2013.umk.pl.

Should you have any question please don't hesitate contacting me.

Kind regards,

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IFIP Board visited HUAWEI

The IFIP Board meeting took place on Friday 1 and Saturday 2 March and was generously hosted by the Chinese Institute of Electronics and the Shanghai Jiao Tong University (Xuhui District Campus). IFIP warmly thanks its colleagues in China for their hospitality. On Saturday the Board was invited for a visit to the Shanghai office of Huawei. In this new, 1 kilometre wide, building 10.000 researchers of Huawei are based. Guided by mr Charlie Cheng, director of government and industry relations, the Board was briefed about the impressive growth of Huawei and its wide range of products since the company started in 1988. To mention only a few figures of this giant in the ICT industry: more than 140.000 employees of which 70.000 researchers, turnover of 35 billion USD in 2012, the world largest telecommunications equipment manufacturer, serving 45 of the 50 largest telecom operators in the world, recently reached number 3 position in the sales of smartphones, behind Samsung and Apple. Huawei has been supportive of a number of IFIP activities such as the first World CIO Forum in 2011 in Shenzhen. IFIP appreciates this support and looks forward to a continued involvement of the industry in its activities.

What most schools don't teach

The subject says it all, a youtube video worth watching and propagating.

https://t.co/OBO7XRzbGW

IP3 News

International Professional Practice Partnership
Transforming IT Professional Practice

Brenda Aynsley, IP3 Chair has been busy....

During February Brenda travelled around Europe and the UK to hold meetings with important people with a view to furthering the mission of IP3, and also attended a conference. This is a report on her activities.

Monday 18 February 1400-1530, Brussels **Meeting with Andre Richier, Principal Administrator DG for Enterprise and Industry, European Commission** to discuss the Action Point 13 of the CEPIS report " *Enhance links to parallel professionalism initiatives outside of Europe"* and explore how we can work more closely together to achieve better synergy. The meeting was attended by: Brenda Aynsley Chair IP3; Roger Johnson IPC IP3; Leon Strous President IFIP
Frits Bussemaker, Partner CIONet/IP3 GIC Member.

Discussion centred around the value of IFIP and IP3 networks in exploring organisations beyond the borders of Europe. Andre is looking for exemplars and experienced advocates of best practice in the application of e-skills frameworks who can come and share experience with others so that all may learn and be motivated to imitate to gain the benefits. He's focussed on enterprise and industry and wants to meet industry needs for a skilled ICT workforce as well as skilled users of ICT. Opportunities will be sought going forward for a sharing of ideas and resources, so that everyone can learn from experience and best practice.

Tuesday 19 February 1945, Dublin **Meeting with Declan Brady ICS/CEPIS**. The purpose of the meeting was to discuss opportunities for closer working relations with CEPIS members to achieve better synergy. The meeting was attended by Brenda Aynsley Chair IP3; Roger Johnson IPC IP3; Declan Brady CEPIS. The discussions focused on the work of CEPIS, how it relates to the EC and the European e-skills agenda, as well as the ICS and how it is promoting professionalism amongst its members.

Wednesday 20 February Dublin Meet Dr Stephen McLaughlin, Head of Research and Development, Innovation Value Institute, NUIM Martin Sherry Lead Investigator, IVI NUIM. The meeting was attended by Brenda Aynsley and Roger Johnson. The purpose of the meeting was to discuss opportunities for connecting with the Project e-Skills: the international dimension and the impact of globalisation. (https://etendering.ted.europa.eu/cft/cft-display.html?cftId=107). The objective of the study is "to better anticipate change, envisage future cooperation and improve efforts to develop e-skills for Europe". Stephen introduced the project and explained Martin's role as the Investigator for the Project and the report that was produced http://ictprof.eu/documents/EU_ICT_Professionalism_Project_FINAL_REPORT.pdf. Everyone agreed that working together will expand the reach of information obtained for EU projects, and at the same time it will be advantageous to IFIP members globally to share in the outputs from EU projects.

Friday 22 February Amsterdam **Meeting with Leon Strous, NGI representative to IFIP/President IFIP; Anita Bosman, NGI; Arjan van Dijk, NGI/VRI**. Attended by Brenda Aynsley & Roger Johnson. The purpose of the meeting was to explore the potential of NGI/VRI joining IP3. NGI/VRI explained the genesis of the merged organization, and how they admit members. Ways that the organisation can become members of IP3 were explored.

25 to 27 February **UNESCO/WSIS+10 event in Paris.** Brenda Aynsley and Stephen Ibaraki attended this event, and hosted a session **" Adoption and teaching of Open/Libre technologies in Higher Education curricula and Professional recognition for FOSS engineers and practitioners".**

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The session was attended by the CEO and President of the Commonwealth of Learning, Her Excellency Governor of Warrap State, Republic of South Sudan, His Excellency the Ambassador, Republic of South Sudan, J Archibald, regulator of professionals in the Government of Canada. If you want to view Stephen Ibaraki's presentation click http://www.youtube.com/watch?v=oW6Dk--bhUw

Tuesday 5 March **meeting with James de Raeve GM India &VP Certification; and Steve Philp Marketing Director of The Open Group (TOG) (**photographed with Colin Thompson in the picture below**).** Attended by Brenda Aynsley & Colin Thompson. The purpose of this meeting was to get a clearer understanding of TOG and if and how they accredit qualifications, both In the UK and India. As a result of the meeting, Brenda was invited to propose a session at The Open Group Conference in Sydney in April 2013, and this proposal has since been accepted.

Wednesday 6 March **meeting with Roger Marshall, V-P BCS**. (Roger has since become President – IP3 wishes him well for his term). Attended by Brenda Aynsley and Roger Johnson. The meeting was intended to continue dialog between BCS and IFIP IP3, and they listened with interest to an overview of the meetings in Europe in the preceding weeks.

World Summit for the Information Society, Geneva, 13 to 17 May 2013

IP3 will once again be attending this event, and presenting a Thematic Workshop.

At this stage in the evolution of the WSIS Action Lines, it is imperative that attention turn to the ongoing professional standing of those ICT practitioners who are facilitating the Information Society. We entrust the networks, security, content and technology to those who provide services to the communities, government, business and citizens but how can we know that those who provide services are trustworthy? What do we need to know about our service providers, in order to satisfy ourselves that our identity, our content, our intellectual property, our families and our friends are safe in the Information Society?

With this in mind, we propose to conduct a Thematic Workshop at 2013 entitled "Why we need an ICT profession to grow our citizenry, our GDP and our international markets". We will spotlight the top 10 ICT Trends driven by a "professional" workforce enabling business growth, economic development and GDP growth, define ICT professionalism for 2013, illustrate global E-Skills and Professionalism progress and validation driving educational development, business growth and GDP development. Due to the importance of a currently skilled and "professional" ICT workforce, we will have a particular focus on exploring how we educate, support and recognise and reward those involved in creating the tools for software development and information systems support, that is those millions of people around the world who build and maintain the systems both hardware and software we use to conduct our business and live our lives in this digital age.

IFIP IP3's interest is in contributing towards Action Lines: C4 Capacity building; C5.Building confidence and security in the use of ICTs; C10 Ethical dimensions of the Information Society.

IP3 will also be submitting a paper on "Ethics in Professionalism".

We encourage all IFIP members to consider attending the event either in person or remotely.

IFIP/IP3 Global Industry Council News

The GIC continues to provide IFIP and IP3 with valuable industry insights, and connects us to others we should engage with. The engagement is hotting up, and we hope to report on several activities by GIC members going forward.

In this edition we highlight the Social Value Project "Campus Connect" which is under the stewardship of GIC Director Tan Moorthy.

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Infosys Ltd. launched **Campus Connect**, an industry-academia partnership initiative, in May 2004, with 60 colleges. The initiative was aimed at deepening the industry-academia bonds and building a strong foundation for the future needs of both academia and the growing IT industry. The initiative now global and in its eighth year, focuses on creating industry-ready IT professionals, by aligning engineering talent with the needs of the industry.

Campus Connect is present wherever Infosys has a presence in the nine Development Centres in India. In addition, the program has also reached out to students in select countries such as China, Malaysia, Mexico and Singapore.

What do Campus Connect do?

- Enable faculty through seminars and workshops in colleges to give them an industry perspective.

- Publish Infosys courseware on the Campus Connect portal. This courseware adds value to the existing college courseware and highlights the integrated, systems way of looking at hitherto discrete topics. The courseware is used at Infosys to prepare new recruits to global industry-ready standards.

- Share with partner colleges Infosys' bank of industry projects and case studies to enable students to appreciate the application of knowledge to real life problems.

- Invite college professors on sabbaticals to the Infosys campus, to pursue mutual research areas of interest.

- Organize Aspirations2020 – a programming contest for students of engineering colleges to prepare themselves to become smart professionals. This contest encourages the spirit of competitiveness and accelerated learning through extracurricular activities within the student community.

Coming soon

Given the widespread use of tablet computers in developing countries especially for Education, Commonwealth of Learning is developing programmes to exploit this..Balaji suggested that this is a real opportunity for the IT community to shape IT Education. This is another Social Value Project for GIC, and we will explore this opportunity and provide further details on this later.

IP3 Standards and Accreditation Council

The council has now been formally appointed. Under the Chairmanship of Colin Thompson, the following people will serve: GIC nominees: B. Cameron, B. Chu, T. Moorthy; Member Nominees A. Schofield (CSSA) and Peter Cole (ACS). Joe Turner will serve as the Seoul Accord observer to the Council.

For more information about anything in the IP3 section, contact Moira de Roche editor@ipthree.org

IFIP TC3 at the WSIS+10 review event

UNESCO was holding in Paris, France, 25-27 February 2013, the first WSIS + 10 Review event, 10 years after the World Summit on Information Societies, held in Geneva, Switzerland. The event was about "Towards Knowledge Societies for Peace and Sustainable Development".

IFIP TC3, the Technical Committee for Education, held a session during this event: "The place of Education in Knowledge Societies: Changing Educational Paradigms, Managing sustainable Education".

The session was organized by Prof. Bernard CORNU, France, TC3 Chair, together with Sindre Roesvik, Norway, TC3 vice-Chair, and Prof. Don Passey, UK. The other contributors were Prof. Andrej Brodnik, Slovenia; Prof. Maciej Syslo, Poland; Dr. Mary Webb, UK; Prof. Carlos Delgado Kloos, Spain; Eric Sanchez, France; Prof. Ivan Kalas, Slovakia; Ass. Prof. Denise Leahy, Ireland; Dr. Anna Grabowska, Poland; Prof. Roumen Nikolov, Bulgaria. It was a strong collaboration between TC3 working groups.

This WSIS+10 session, based on reflections of TC3 working groups, was seeking to discuss the role and place of education and schools in Knowledge Societies. Three main ideas were highlighted:
- Knowledge has a new status in our societies: it has become an economic good; access to knowledge has changed, and there is an increasing risk of confusion between information and knowledge.
- There is an increasing gap between technology and pedagogy: technology changes very quickly, pedagogy stays as it has always been! The issue is not to modernize traditional pedagogies, but to design new enriched pedagogies for the learner of tomorrow!
- The school will survive only if it sticks to its main fundamental characteristics, such as being the guarantor for relevant knowledge, for the construction of knowledge, for formal learning, for developing collective intelligence.

Part 1: Changing Educational Paradigms.

What kind of societal changes require a change in education? What technological changes have direct or indirect consequences for education? How do we need to change the paradigm of education? The session presented some trends on developments of public and private services, structural and content changes related to citizens and institutions. UNESCO's four pillars of learning are still relevant, but need to be transcribed for the 21st century knowledge society. Educational institutions are utilizing online resources and there are a growing number of remote, online students. We observe a globalisation of education and learning environments. However, education is becoming personalized and collaborative practises are growing (in communities of practice). Computers and mobile devises are increasingly commonly used by students in both formal and informal learning settings. Formal and informal elements must be seen as integral parts of lifelong learning. The competences of teachers are challenged and need to be enriched to respond to new demands. The teacher is the key factor of education and competence programs for teachers must be an institutionalized on-going part of their work i.e. pedagogical lifelong learning programs. Students must be educated according to needs of 21st century citizens and the labour market. This implies developments for curriculum and assessment, through related research. Digital literacy and computer science (informatics) must gain a more specific focus.
See recommendations 1, 2, 3.

Part 2: Management for sustainable education

What makes education sustainable and manageable? How does e-learning support management of sustainable education? Emerging factors imply the need to enhance lifelong and intergenerational learning approaches. Vision and leadership are critically important – for all stakeholders, and all will need to develop evolving ICT skills. Sustainable education will rely on ways to manage three key curriculum elements: formal (classroom); non-formal (after-school club and society); and informal (home and other location) activities. Universities regularly review curriculum, assessment and certification procedures; they adopt informal and non-formal curriculum practices increasingly. E-learning technologies now allow policy makers from national to school levels to consider blended models best suiting and benefiting specific learner

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groups. Private tutoring and digital resources are acquired increasingly by parents. But neither parents nor students have a portal advising how they might approach these burgeoning resources.
See recommendations 4, 5, 6.

Recommendations

Recommendation 1: Redefine education: School systems should enable teachers and students to integrate formal, non-formal and informal learning supporting new approaches offered through new media and learning technologies. Revision of policies and procedures should take place at multiple levels: national state/provincial and local. (http://edusummit.nl/results2011).

Recommendation 2: Integrate learning and research – in design-based research: Support collaborative research, of practitioners and researchers, addressing learners' effective use of new technologies in formal, non-formal and informal learning; developing a formative, performance based culture of assessment utilizing tools for learning together, including analytical techniques and gamification. Professional development of teachers is a key factor.

Recommendation 3: Curriculum development – digital literacy and informatics: Develop a curriculum for teaching digital literacy and computer science/informatics that will allow children in K12 education to have access to knowledge that will enable them t be creators of technology – not just its consumers.

Recommendation 4: Describe different ICT-based blended education models, their educational organisation, content, knowledge and communication management, for distinctive stakeholder groups – parents as well as school and educational managers, teachers, advisers and policy makers.

Recommendation 5: Regularly define the ICT skills needed by different stakeholder groups to engage with and support lifelong learning needs.

Recommendation 6: Identify evolving practices of intergenerational learning with digital technologies that support educational practices across generations.

These recommendations will be discussed at the next main IFIP TC3 event: the 10th World Conference on Computers in Education, July 2-5, 2013, Torun, Poland: "Learning while we are connected".

Απελευθέρωσε τις δυνατότητές σου

Significant European recognition for Getbusy.gr

Presented as Best Practice by the European Commission at the "Grand Coalition for Digital Jobs" conference

Getbusy.gr, the educational portal for young people who wish to enhance their skills for career development, was presented as a best practice initiative during the **"Grand Coalition for Digital Jobs"** conference organized by the European Commission on the 4th and 5th of March in Brussels, receiving further recognition at a European level.

The Grand Coalition for Digital Jobs aims to develop a broad dialogue around the education youth should obtain in an effort to develop the necessary skills for the current competitive job market. E.C President Jose Manuel Barosso, four commissioners and numerous officials from Brussels as well as many EU member states attended the event, making it one of the most significant educational forums.

Getbusy.gr was the only Greek entry in the conference program and was presented by Thanassis Papadimitriou, HePIS' Member of the Board of Directors. The portal was presented as a best practice initiative, as it helps young people seeking employment to strengthen their skills and thus their employment opportunities, through an innovative and fun program, particularly in a country where the unemployment rates have reached the 60%.Through getbusy.gr young people have the chance to win prizes by participating in a specially designed educational quiz. The Get Busy quiz has reached in one month more than 10.000 entries. The participation in the Grand Coalition conference is part of HePIS' focus on the e-skills agenda. Since 2007, HePIS has been actively involved in EU conferences and consultations and drives initiatives that are aligned with the *Digital Agenda for Europe.*

Getbusy.gr is a joint project between Microsoft Hellas, the Hellenic Professionals Informatics Society (HePIS), PEOPLECERT, and is supported by the American College of Greece (DEREE), the ALBA Graduate Business School, Intelen, Flya Consulting, HR Passport, Close the Loop, ISON Psychometrica, Look4 studies.com and My Future Career. Communication sponsors are deasy.gr, emea.gr, appgaraz.gr and startup.gr.

Romulo Garza Award

This last February of 2013 Dr. Noel Leon, Emeritus Professor of the School of Engineering and Information Technology of Tecnologico de Monterrey, and current director of the Research Chair "Engineering Design and Innovation", was honored with the Rómulo Garza award in the category of Professor Inventor.

Prof. Leon is a long time member of IFIP and was the founding Chairman of TC 5's Working Group 5.4 COMPUTER AIDRD INNOVATION.

WG 5.4 is a working group focused on identifying the underlying scientific foundation of Computer Aided Innovation, to evaluate its effectiveness and efficiency and to connect managers, engineers, scientists and academics interested in driving forward the development of these new tools and methods.

He is recognized as the first Latin American certified in the TRIZ innovation methodology in 1996, and he is one of the leading international experts in this methodology for the development and innovation of products, processes and services. He has trained and educated in this field engineers, technicians and managers from Mexico, Chile, Colombia, Panama, Ecuador, Peru, France and Germany. In his courses he uses the Project-based learning technique, and together with his students he has achieved the development and innovation of more than 50 industrial products.

He practices also the Quality Function Deployment, QFD. He was the president of the Latin American QFD Association. Dr. León is a member of the Altshuller Institute for TRIZ studies and a major contributor to IFIP's Technical Committee 5.

Congratulations to Prof. Noel Lion to this selection, a well-deserved honor.

CIO AICA Forum and the Community of future IT leader

CIO AICA Forum is a working group formed by Italian Chief Information Officers (CIO) in large or medium-sized organizations and operates as the Italian Chapter of the *European CIO Association.*

In 2013 CIO AICA Forum promotes the "*Community of the Future IT Leader*", a program designed to enhance technical, interpersonal and managerial professional skills for young managers working with the CIO's.

More info: http://www.aicanet.it/attivita/gruppi-di-progetto/cio-aica-forum

C I O AICA Forum

DIDAMATICA 2013 - Pisa, May 7-8-9

The 27th edition of DIDAMATICA, the Italian annual convention organized by AICA to provide an extensive and in depth review of IT applications in education, teaching and learning processes will be organized in Pisa in cooperation with Scuola Superiore Sant'Anna and CNR (National Research Council) and with the participation of Italian Ministry of Education.

More than 400 people, coming from universities, schools, institutions, private education companies and industries, are expected in Pisa to attend the 3-days convention.

More info: http://didamatica2013.sssup.it (or www.aicanet.it)

DIDAttica inforMATICA
"Se ascolto dimentico, se vedo ricordo, se faccio capisco"

IT STAR Workshop on ELECTRONIC BUSINESS (Bari, May 3-4)

IT STAR, the regional Association on IT in Central, Eastern and Southern Europe, will organize its 7th Workshop in Bari, Italy, jointly with AICA and Politecnico di Bari. The event will provide a forum for representatives of academia, government, business and professional organizations to debate timely issues such as problems and challenges of innovation in business processes, exploitation of e-Business in periods of crisis, legal frameworks and security issues, e-Signature, e-Identity, e-Invoicing, e-Procurement, skills for e-Business.

More info: http://www.scholze-simmel.at/starbus/ws7/

PRO-VE'13

14th IFIP/Socolnet Working Conference on Virtual Enterprises

Dresden, Germany, 30 Sep-2 Oct 2013

Sponsored by IFIP WG 5.5 and SOCOLNET

Collaborative Systems for Reindustrialization

Current economic crisis, which is affecting many world regions, namely in Europe, has led to an intensification of discussions around the reindustrialization needs. After decades of industrial decline, due to deliberate policies that advocated an exclusive move towards a service-oriented society, while neglecting the production of tradable goods, many countries are struggling with public and private belt-tightening measures which only accelerate the crisis spiral. Reindustrialization appears as the economic, social, and political process of organizing resources for the purpose of re-establishing / revitalizing industries in order to reinvigorate the economy.

Which role for Collaborative Networks in this process?

Collaboration is essential namely to SMEs in order to acquire critical mass, acquire new markets, and leverage skills. But the reindustrialization cannot simply follow the steps of past century. New perspectives of industry are needed, as exemplified by some current trends such as:

- Focusing service-enhanced products
- Addressing the full life cycle of products, including refurbishing / retrofitting and recycling
- Taking seriously on board concerns of energy saving and reduction of ecological footprint
- Having a *glocal* perspective, and relying on co-innovation and co-evolution.

Sustainability issues are clearly upfront in these trends. Any effective solution in such direction imposes collaboration of multiple stakeholders organized in mixes of dynamic value chain networks. New collaborative systems need to be developed under a well-integrated socio-technical perspective.

PRO-VE 2013 aims to be an important forum for technical discussions on these issues, share experiences and foster future directions. As such, contributing papers shall include a section on "Contributions to sustainable reindustrialization", where authors point out their contributions and potential impacts of their results regarding the main theme of the conference.

This conference continues a series of successful conferences of PRO-VE'99 (Porto, Portugal), PRO-VE 2000 (Florianópolis, Brazil), PRO-VE'02 (Sesimbra, Portugal), PRO-VE'03 (Lugano, Switzerland), PRO-VE'04 (Toulouse, France), PRO-VE'05 (Valencia, Spain), PRO-VE'06 (Helsinki, Finland), PRO-VE'07 (Guimarães, Portugal), PRO-VE'08 (Poznan, Poland), PRO-VE'09 (Thessaloniki, Greece), PRO-VE'10 (Saint-Etienne, France), PRO-VE'11 (São Paulo, Brazil), and PRO-VE'12 (Bournemouth, UK).

A plurality of scientific communities in Computer Science, Engineering, Economics, Management and Socio-Human sciences are encouraged to submit. Both theoretical works and sound case studies are expected. The conference will include technical papers and discussion panels. Proposals for organizing **associated events**, namely by project consortia focused on the area of Collaborative Networks are welcome.

Main conference proceedings will be published by **Springer**. All previous editions were indexed in the ISI Web of Science. Special issues **of journals** will be published with selected papers.

Further information: **www.pro-ve.org**

International Symposium on Environmental Software Systems
Oct 09- 11, 2013, Neusiedl/See, Austria

ISESS, the **International Symposium on Environmental Software Systems**, was initiated in 1995 as a forum in which to present and discuss the fundamentals, progress and actual trends in this area in terms of methods, tools and state-of-the-art environmental informatics applications. Over the years, it has also evolved into an important networking tool for academics, environmental professionals, support of governments and other interested parties.
ISESS is a conference series organized on behalf of the **International Federation for Information Processing** (IFIP), WG 5.11 "**Computers and Environment**". In odd-numbered years, ISESS is held as a conference with a complete range of topics related to Environmental Information Systems (EIS) and related topics. In even-numbered years ISESS is held as a workshop mostly of the biennial meetings of the **International Environmental Modelling and Software Society** (IEMSS) usually focussing on a specific topic.

The 2013 conference is organised by the AIT Austrian Institute of Technology GmbH in cooperation with IFIP, Masaryk University and the European Environment Agency. The conference will display the state-of-the-art in the development and implementation of EIS, eEnvironment services as well as safety & security aspects, with a special focus on the following topics (but not exclusively):

- **Environmental Application in the scope of the Future Internet**
- **Smart and mobile devices used for Environmental Applications**
- **Linked Open Data – fostering Environmental Services (and sustainable development)**
- **Information Tools for Global Environmental Assessment**
- **Environmental Applications in Risk & Crises Management**
- **SEIS as part of the Digital Agenda for Europe**
- **Human Interaction and Human factors driving future EIS/EDSS developments**
- **Uniform space for data and information - an opportunity for Web 2.0 enabled environmental applications**

The conference is a meeting place for experts on leading edge technologies, and it aims to foster the standardization and integration of environmental data and information flows in the world, which are essential pre-requirements for managing our natural resources, event risks or crises in a framework of sustainable development. The ISESS 2013 conference is open to governmental institutions, international and intergovernmental organisations, environmental agencies and networks, scientists, academicians, politicians, businesses, public administration and decision makers active in the field of environmental information, experts from ICT industry, specialists of theoretical and applied informatics, consultants, students and the concerned public. nvironmental information, experts from ICT industry, specialists of theoretical and applied informatics, consultants, students and the concerned public.

Prof. Dr.-Ing. Robert Piloty

IFIP is sad to announce that one of its pioneers and great contributors, Robert Piloty, passed away on January 21, 2013 at the age of 88.

Those who worked with him describe him as a model of acute intelligence, open mindedness, dedication to his professional activities, and human qualities. Our community lost a great scientist and to many a good friend.

Robert Piloty was one of the founders of Computer Architecture in Germany. In 1949, he started the PERM project: a computer built on vacuum-tube technology (Programmgesteuerter Elektronischer Rechenautomat München [programmable electronic computer Munich]). PERM was the technical basis for a large number of research activities in the area of programming languages, compiler construction, computer arithmetic, etc. It can now be seen in the German Museum, Munich.

In 1955 Robert Piloty started as deputy head of the IBM research laboratory in Zurich, Switzerland and moved on to SEL in 1957 to become head of systems planning. He was then called by Darmstadt University in 1964 to become Professor. He significantly contributed to establish Computer Science curricula in Darmstadt, and Germany in general.

He was one of the early contributors to the domain of CHDL's (Computer Hardware Description Languages), with the definition of the RTS1 language, and the development of its simulation software, in early 70's. He organized and chaired the 2nd International Workshop on CHDL's in Darmstadt, 1974.

From 1976 to 1981, he chaired the CONLAN (CONsensus LANguage) working group, that set the semantic grounds for the VHDL standard. Robert Piloty and his group implemented the extensible CONLAN compiler and simulator. Then, the last part of his research was dedicated to design libraries and design frameworks.

Robert Piloty founded the IFIP WG10.2, of which he was the first chair (the current WG10.5 is the result of merging WG10.2 and WG10.5). He was a member of the IFIP General Assembly and has been IFIP Vice-President from 1979-1984.

Robert Piloty received many distinctions and honours: IFIP Silver Core, IEEE Fellow, Konrad-Zuse Medal (German Computer Society), Erasmus-Kittler- and Alwin-Walther-Medal (Darmstadt Univ.), Gauss-Medal (Braunschweigische Wissenschaftliche Gesellschaft [Braunschweig Society of Science])

Jaco de Bakker, 1939-2012

On December 13, 2012, our colleague Jacobus Willem (Jaco) de Bakker, member of the Section Informatics of the Academia Europaea since 1990, passed away surrounded by his family in his home in Amsterdam after a short illness. He is survived by his wife Angeline, his children Bas, Jaska, Catrien, Jacob and Lisa, and two grandchildren.

Jaco was born on March 7, 1939, in Ede, the Netherlands. He was for more than 38 years, from 1964 until 2002, connected as Head of the Computer Science Department to the Mathematical Centre, later called CWI (Centrum Wiskunde & Informatica) in Amsterdam. He was a Fellow of CWI since 2002. In 1973 he was appointed as Professor in Computer Science, in particular for the mathematical semantics of programming languages and reasoning on program correctness, at the VU University Amsterdam, at that time called Vrije Universiteit Amsterdam. He occupied this professorship until his emeritate in 2002. In 1989 he was appointed as a member of the Royal Netherlands Academy of Arts and Sciences (KNAW), in the Section Mathematics. In 1972, Jaco was one of the founding fathers of the EATCS, the European Association for Theoretical Computer Science; he was Vice-President of the EATCS from 1972 until 1982, and Member of the Board until 1988. Since 1998 he was honorary member of IFIP Working Group 2.2, Formal Description of Programming Concepts. In 2002, during his retirement symposium at CWI, he received the Royal Decoration Knight of the Order of the Lion of the Netherlands (Ridder in de Orde van de Nederlandse Leeuw).

Jaco de Bakker started his scientific career with his Ph.-D. thesis in 1967 at the University of Amsterdam, with promotor Adriaan (Aad) van Wijngaarden, entitled: Formal Definition of Programming Languages: with an Application to the Definition of ALGOL 60. Jaco de Bakker was world-wide known and recognized for his pioneering work in developing the denotational and operational semantics of many basic features in programming languages, in a precise and rigorous mathematical style. One of its highlights became known as the induction rule of De Bakker and Scott. This culminated in his book Mathematical Theory of Program Correctness (1980). Later on, in the early eighties, he turned to the theory of communicating processes, introduced by Hoare and Milner, a theory known in those days as ‘concurrency’. His initial investigations in this field were in cooperation with Jeffery Zucker. The basic features in this theoretical area were treated in the same mathematically rigorous style in his book Control Flow Semantics (1996) together with Erik de Vink. Apart from these books, he wrote more than 150 scientific articles.

In the Netherlands Jaco de Bakker was the originator of an extensive school of theoretical computer scientists. He supervised many Ph.D.-theses, and was the driving force in the eighties, together with Willem-Paul de Roever and Grzegorz Rozenberg, behind several nation-wide programmes for research and education in the Netherlands, such as REX (Research and Education in Concurrent Systems). REX lasted from 1988 to 1993; it was preceded by LPC (Landelijk Project Concurrency, National Project Concurrency) from 1984-1988. Prior to these programmes Jaco was Director, together with Jan van Leeuwen, of the 'Advanced Course on Foundations of Computer Science', a biennial series of influential courses with international attendance, from 1974 to 1982, held in Amsterdam. Jaco was also one of the founding fathers in 1979 of the Dutch Association for Theoretical Computer Science (WTI, Werkgemeenschap Theoretische Informatica), since 1995 called NVTI (Nederlandse Vereniging voor Theoretische Informatica). Jaco was Chairman of the WTI from 1979 until 1987. Jaco was proud of the fact that 32 scientists who at some time worked in his group were eventually appointed professor.

Also in the eighties, Jaco was instrumental in stimulating the involvement and participation of the Dutch research community in the big European computer science frameworks such as FAST, Meteor, ESPRIT (European Programme for Research in Information Technology) and BRA (Basic Research Actions). As Head of the CWI Department Software Engineering he stimulated intensive contacts with the European research community, resulting in a lively and productive research atmosphere in which researchers of many nationalities cooperated on a regular basis.

In addition to playing a crucial role in education and research in theoretical computer science, Jaco de Bakker was also a gifted and respected science director and administrator. He influenced the lives of many of us. We all remember him as a great scientist and an amiable person. Moreover many computer scientists will remember him as a friend.

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

6th Latin-American Symposium on Dependable Computing http://www.ft.unicamp.br/ladc2013	**LADC 2013**	**01/04-05/04 2013** Rio de Janeiro, BR
3rd IFIP WG 11.6 Working Conference on Policies & Research in Identity Management http://www.idman2013.com	**IDMAN 2013**	**08/04-10/04 2013** London, GB
Doctoral Conference on Computing, Electrical and Industrial Systems http://sites.uninova.pt/doceis	**DoCEIS`13**	**15/04-17/04 2013** Costa de Caparica, PT
Conference on Optical Network Design anf Modelling http://www.ondm2013.eu	**ONDM**	**16/04-19/04 2013** Brest, FR
Wireless and Mobile Networking Conference http://wmnc2013.org	**WMNC`2013**	**23/04-25/04 2013** Dubai, AE
Fundamentals of Software Engineering 2013 http://fsen.ir/2013/	**FSEN 2013**	**24/04-26/04 2013** Tehran, IR
I3E 2013, e-Business, e-Services, and e-Society http://athina.cs.unipi.gr/IFIP2013	**I3E2013**	**25/04-26/04 2013** Athens, GR
First IFIP Working Conference on Value-driven Social Semantics and Collective Intelligence http://www.websci13.org/	**IFIP VASCO**	**01/05-01/05 2013** Paris, FR
International Conference on Computer Supported Education http://www.csedu.org	**CSEDU**	**06/05-08/05 2013** Aachen, DE
International Conference on Cloud Computing and Services Science http://closer.scitevents.org/Home.aspx	**CLOSER**	**08/05-10/05 2013** Aachen, DE
IWSOS 2013. Seventh International Workshop on Self-Organizing Systems http://innaxis.org/events/iwsos-2013/	**IWSOS 2013**	**08/05-10/05 2013** Palma de Mallorca, ES
The 11th Intl. Symposium on Modeling and Optimization in Mobile, Ad Hoc, and Wireless Networks http://www.wi-opt.org/	**WiOpt 2013**	**13/05-17/05 2013** Tsukuba Science City, JP
IFIP Networking 2013 conference http://networking2013.poly.edu	**Networking 2013**	**22/05-24/05 2013** New York, US
IFIP/IEEE International Symposium on Integrated Network Management http://www.im2013.org	**IM 2013**	**27/05-31/05 2013** Ghent, BE
IFIP TC6 Latin American Tutorials In Networking (LATIN 2013) http://ifip.informatik.uni-hamburg.de/ifip/tc/6	**LATIN 2013**	**10/06-21/06 2013** Costa Rica, CR
Privacy and Identity Management for Emerging Services and Technologies (IFIP Summer School 2013) http://www.pilab.nl/ifip-summerschool-2013	**PI4EST–2013**	**17/06-21/06 2013** Nijmegen, NL
International Embedded Systems Symposium http://www.iess.org	**IESS**	**17/06-19/06 2013** Paderborn, DE
IEEE Computer Society symposium on object/component/service-oriented realtime distributed computing http://www.isorc.de	**ISORC**	**19/06-21/06 2013** Paderborn, DE
5th Computer-Aided Innovation Working Conference http://computeraidedinnovation.org	**WC-CAI**	**27/06-29/06 2013** Hsinchu, TW
IFIP WG8.6 2013 Working Conference: Grand Successes and Failures in IT: Private and Public Sectors http://ifip86.iimb.ernet.in/	**IFIP WG8.6 2013**	**27/06-29/06 2013** Bangalore, IN
World Conference on Computers in Education http://wcce2013.umk.pl	**WCCE 2013**	**02/07-05/07 2013** Torun, PL
28th IFIP TC-11 International Information Security and Privacy Conference http://www.sec2013.org	**SEC 2013**	**08/07-10/07 2013** Auckland, NZ
9th International Summer Workshop on Multimodal Interfaces http://eventos.fct.unl.pt/enterface13	**ENTERFACE´13**	**15/07-09/08 2013** Lisboa, PT
7th International Conference on Autonomous Infrastructure, Management and Security http://www.aims-conference.org/2013/	**AIMS 2013**	**25/07-28/07 2013** Barcelona, ES
International Conference on Simulation and Modeling Methodologies, Technologies and Applications http://www.simultech.org	**SIMULTECH**	**29/07-31/07 2013** Reykjavík, IS

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12th IFAC symposium on Analysis, Design and Evaluation of Human-Machine Systems http://www.cs.wright.edu/ifac/	**IFAC HMS**	**11/08-15/08 2013** Las Vegas, US
SEARCC International Conference 2013 http://www.nitc.lk	**i3CT**	**12/08-14/08 2013** Colombo, LK
International Cross Domain Conference and Workshop on Availability, Reliability and Security http://cd-ares.ares-conference.eu/	**CD-ARES 2013**	**02/09-06/09 2013** Regensburg, DE
The 22nd International Conference on Parallel Architectures and Compilation Techniques http://www.pactconf.org	**PACT13**	**07/09-11/09 2013** Edinburgh, GB
IFIP TC7 Conference on System modelling and Optimization http://ifip2013.uni-klu.ac.at	**IFIP TC7 2013**	**09/09-13/09 2013** Klagenfurt, AT
5th International Workshop on Reliable Networks Design and Modeling http://www.rndm.pl/2013/	**RNDM 2013**	**10/09-13/09 2013** Almaty, KZ
7th International Conference on Research and Practical Issues of Enterprise Information Systems http://confenis2013.vse.cz	**CONFENIS 2013**	**11/09-13/09 2013** Prague, CZ
European Conference on Service-Oriented and Cloud Computing http://esocc2013.lcc.uma.es	**ESOCC**	**11/09-13/09 2013** Malaga, ES
IFIP International Electronic Government Conference 2013 http://www.egov-conference.org	**IFIP EGOV**	**16/09-19/09 2013** Koblenz, DE
IFIP International electronic participation conference 2013 http://www.epart-conference.org	**IFIP ePart 2013**	**17/09-19/09 2013** Koblenz, DE
International Conference on Economics of Grids, Clouds, System and Services http://www.gecon-conference.org/gecon2013/	**GECON**	**18/09-20/09 2013** Zaragoza, ES
Virtual Goods and ODRL Workshop 2013 http://www.virtualgoods.org/2013/	**VG 2013**	**19/09-20/09 2013** Koblenz, DE
The 7th IFIP International conference on computer and computing technologies in Agriculture http://www.iccta.cn	**CCTA2013**	**19/09-19/09 2013** Beijing, CN
Forum on specification and Design Languages http://www.ecsi.org/fdl	**FDL**	**24/09-26/09 2013** Paris, FR
International Conference on Computer Safety, Reliability and Security http://www.laas.fr/SAFECOMP2013	**SAFECOMP**	**24/09-27/09 2013** Toulouse, FR
13th International Conference on Computer Information Systems and Industrial Management http://home.agh.edu.pl/~saeed/cisim2013/	**CISIM 2013**	**25/09-27/09 2013** Krakow, PL
14th IFIP TC6 TC11 Conference on Communications and of the Event Multimedia Security http://www.cms2013.de	**IFIP CMS 2013**	**25/09-26/09 2013** Magdeburg, DE
9th IFIP Conference on Artificial Intelligence Applications & Innovations http://www.frederick.ac.cy/aiai2013/	**AIAI 2013**	**26/09-28/09 2013** Paphos, CY
14th IFIP Working Conference on Virtual Enterprises http://www.pro-ve.org/	**PRO-VE 2013**	**30/09-02/10 2013** Dresden, DE
The 2013 Dewald Roode Workshop on Information Systems Security Research, IFIP WG8.11/WG11.13 http://ifip.byu.edu/	**DRW**	**04/10-05/10 2013** Buffalo, US
IFIP/IEEE International Conference on Very Large Scale Integration http://vlsi-soc.com	**VLSI-SoC**	**07/10-09/10 2013** Istanbul, TR
International Symposium on Environmental Software Systems 2013 http://www.isess2013.org	**ISESS 2013**	**09/10-11/10 2013** Neusiedl am See, AT
Conference on Network and Service Management 2013 http://www.cnsm-conf.org/2013/	**CNSM 2013**	**14/10-18/10 2013** Zürich, CH
12th International Conference on Entertainment Computing http://lia.dc.ufscar.br/ICEC2013/	**ICEC 2013**	**16/10-18/10 2013** São Paulo, BR
2013 International Conference on Cyberworlds http://www.vc.media.yamanashi.ac.jp/cw2013/	**CW2013**	**21/10-23/10 2013** Yokohama, JP
Sustainable Internet and ICT for Sustainability http://www.dicgim.unipa.it/networks/sustainit2013	**SustainIT**	**30/10-31/10 2013** Palermo, IT