22nd IFIP World Computer Congress

Amsterdam, the Netherlands   -   24 - 26 September 2012

The IFIP World Computer Congress 2012 (IFIP WCC 2012)

The General Assembly of IFIP accepted a proposal from the NGI, the Dutch Member of IFIP, to organize the IFIP WCC 2012 in Amsterdam from 24 to 26 September 2012.

Title / theme of the IFIP WCC 2012

The theme of WCC 2012, drafted by an initial work committee is as follows:

Putting the IT professional first: Towards a secure, reliable and innovative information society

The 3 pillars of the IFIP WCC 2012 are therefore:

> Innovation
> Professionalism
> Security/Reliability

Information technologies play a key role in the global society of the 21st century. Software is becoming more and more the engine of our economies, facilitates *innovation* in many industries and government organizations, and among others, supports democracy and personal development. Access to IT may become even a new human right.

Ultimately, IT professionals — in their diversity and regardless of their geographical dispersion — must together ensure that software and systems created are *secure and reliable* and in order to be able to do this they not only need the technical knowledge but also the appropriate skills and *professionalism*.

The main purpose of the IFIP WCC 2012 is to create a platform where these 3 pillars and their interrelationship with each other can be debated to the benefit of the IT industry and the world in general.

The diagram next page emphasizes
> the essential relation between the 3 pillars and
> the fact that WCC 2012 will not be an event on Security/Reliability or Innovation or Professionalism, but on the dependence of these 3 pillars on each other and the way each one influences the other.

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The Vision of the IFIP WCC 2012

After 60 years of development and deployment of IT, we need a more coherent, structured and harmonized approach to digital technology in a connected, truly global world. Without saying is that such an integrated approach does include the people 'behind' the information society: academics and professionals in the public and private sectors.

For the first time in the history, the 2012 IFIP World Computer Congress will draft both the short and long-term agendas for IT academics and professionals, who must excel, not only in creating innovative solutions but also in making the information technology and our world-wide society more secure.

It is envisioned that the IFIP WCC 2012 will be a ground breaking 'must attend' event which will be the first of such visionary conferences organized by IFIP.

The Structure of the IFIP WCC 2012

The event will be 2,5 or 3 days; the number of parallel sessions will be limited . WCC 2012 will **not** have the typical peer reviewed scientific contributions. Instead the contributions will be invited.

Progress so far

- An Executive Committee is operational since the approval of GA and is meeting very frequently to start all the detailed lines of work and to monitor progress.

- A **Recommendations Committee** is being established to underline on a very high level to all the stakeholders the importance of the topics and the role of WCC 2012 in addressing them.

- The **Local Organizing Committee** (LOC), under the Chair of Mr Fons de Breet had been established, and has already progressed well on a large number of matters.

- The **International Program Committee** (IPC), under the Chair of Basie von Solms, had been established and already has nearly 20 members. The IPC has also progressed well in terms of content and structure of WCC 2012.

Invitation

You are all invited to contact the LOC and IPC Chairs to provide ideas and contributions in making WCC 2012 the 'must attend' ICT event in 2012. We are specifically identifying high level speakers who have a vision of the future development of ICT in the next decade, and who can share such futuristic vision with the delegates.

Basie von Solms	Leon Strous	Fons de Breet
IPC Chair	Executive Committee Chair	LOC Chair
General Conference Chair	strous@iae.nl	fons.de.breet@planet.nl

Invitation to participate in a joint EU MATURE – IFIP AGORA workshop

MATURE is a large-scale integrating project (IP), co-funded by the European Commission, Unit for Technology-Enhanced Learning (TEL) within Call 1 of the Seventh Framework Programme (FP7). It runs from April 2008 to March 2012 (see: http://mature-ip.eu). Since the agility of organizations has become the critical success factor for competitiveness in a world characterized by an accelerating rate of change, MATURE provides R&D activities in the area of 'Continuous Social Learning in Knowledge Networks'. Agility requires that e.g. companies and their employees together and mutually dependently learn and develop their competencies efficiently in order to improve productivity of knowledge work within the organization and in cross-organizational 'Communities of Practice'. Failures of organisation-driven approaches to technology-enhanced learning and the success of community-driven approaches in the spirit of Web 2.0 have shown that for that agility we need to leverage the intrinsic motivation of employees to engage in collaborative learning activities, and combine it with a new form of organisational guidance. For that purpose, MATURE conceives individual learning processes to be interlinked (the output of a learning process is input to others) in a knowledge-maturing process in which knowledge changes in nature. This knowledge can take the form of classical content in varying degrees of maturity, but also involves tasks & processes, semantic structures and social interaction. The goal of MATURE is to understand this maturing process better, based on empirical studies, and to build tools and services to reduce maturing barriers.

MATURE brings together an experienced multi-disciplinary team of outstanding experts. To leverage their combined skills, it utilizes a participatory design methodology, involving companies inside and outside the consortium. An associate partner network was established to maximize the project's impact.

AGORA is an IFIP initiative launched by T-3 that aimed to implement a dynamic methodology for initiating cooperative projects with a first pilot project on individual competence development in conjunction with Lifelong Learning. TC-3 decided at an AGORA workshop in Poitiers (December 2010) that the focus of new AGORA projects will be on the relationship between competence development of members of staff and Organisational Knowledge Management and Organisational Evolution. Since the beginning of the AGORA initiative several projects have been launched by TC-3 with international stakeholders (e.g. UNESCO, UNITAR, the Digital Solidarity Fund). However, for increasing the advancement of IFIP's strategy it could be helpful if other Technical committees would be stronger involved in a process of evolutionary change inside IFIP in order to improve the cooperation between the TCs and to generate synergy of action especially with regard to transversal themes of the information and knowledge society, that are not just technology based. Examples are besides Lifelong Learning e.g. the themes of Security and Trust, E-Governance and Ethics that have been discussed at the Summits on the Information Society during the last years.

According to these requirements and in order to align the IFIP AGORA Initiative with them, the participants of the Workshop in Poitiers discussed and decided on an agenda of further action. Among others activities the participants agreed to organize a joined workshop together with the EU-IP project MATURE, that fits very well with the AGORA objectives. Furthermore the IFIP AGORA Initiative plays an active role in MATURE as an associated partner.

The **Joint AGORA – MATURE Workshop** takes place on 13 – 14 October 2011 in Barcelona, Spain and will be linked to an Associated Partner Meeting with representatives of business and industry from the AP-Network (see: http://mature-ip.eu/associate-partners). During the workshop members of the MATURE

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consortium will present the results of their research on knowledge maturing and related IT-Software-Tools, developed so far. In detail

Based on the results of three years of empirical research efforts (ethnographic study, representative study, in depth study) with hundreds of European and globally acting companies from different economic sectors, an analysis of real-world maturing practices, and derived knowledge maturing services will be presented.

The results are consolidated in a sound general conceptual model of knowledge maturing (the so-called knowledge maturing model landscape), which consists of the identification of phases of knowledge maturing and its characteristics, indicators for observing knowledge maturing, identification of key knowledge maturing and guidance activities to be supported by tools, and motivational and social barriers and ways to overcome them.

A widget-based, Web 2.0 inspired Learning & Maturing Environment, integrating personal and organizational perspectives, embedded into the working environment of application partners will be presented

Reusable Knowledge Maturing Services that are based on knowledge maturing indicators, which can be integrated into other contexts will be presented and discussed.

Members of the IFIP AGORA will present academic and/or professional fields where transversal initiatives will be fruitful creating new possibilities of developments in knowledge maturing processes. It is also vital to give priority to practical activities that enhances efficient ways of working within the framework of IFIP – making it more relevant, vital and productive for members and member organizations. There is a need to recruit young academics and professionals that can make a difference for the future of IFIP, being familiar with web 2.0 and ready for web 3.0 ways of organising and working.

In plenary and break-out sessions the participants of the Workshop will discuss the possible impact of the conceptual findings and the technical developments of the MATURE project on AGORA's future work and the organizational cooperation within IFIP.

The participation in the workshop is without fee for IFIP TC representatives and representatives of members of the Associated Partner Network. Furthermore, MATURE can contribute to the travel expenses of a limited number of participants.

We encourage you to participate in this workshop and to help enhancing the agility of IFIP as a whole. If you need more information before deciding or if you have already decided to participate, please contact Sindre Rosvik before August 1st 2011 – sinro@online.no.

Sindre Rosvik / Leon Strous

IP3 Board Elects New Chair

The Board of Directors of the *International Professional Practice Partnership* (IP3) have elected as its new Chairman, Dr. Roger Johnson, with immediate effect.

Dr. Johnson has a longstanding and distinguished career in ICT and most recently retired as Dean of the Faculty at the Department of Computer Science and Information Systems at Birkbeck College, University of London. In March 2010 he was made a Fellow of Birkbeck College. Dr. Johnson was Honorary Secretary of IFIP (International Federation for Information Processing) for 11 years to September 2010 and continues to represent IFIP on the IP3 Board. He is also a Past President of BCS (British Computer Society), and CEPIS (Council of European Informatics Societies). He was a leading participant in creating of ECDL (European Computer Driving Licence), "inventor" of EUCIP (European Certification of Informatics Professionals), BCS representative to Engineering Council UK, co-organiser of an international conference on Global IT Skills, and participated in CEN/ISSS workshops on professional skills.

"It is an honour to be asked to guide the IP3 at this exciting period in its history," explains Mr. Johnson. "IP3 is an important global initiative and I look forward to continue supporting its efforts in implementing its vision to promote professionalism in IT, define international professional standards and create a global infrastructure that will encourage and support the development of both ICT practitioners and employer organizations."

Dr. Johnson will succeed Mr. Greg Lane, who has served as Chairman of the Board since September 2008. Among Mr. Lane's main achievements are the enhancements of the global dialogue around professionalism in IT. Under his stewardship, IP3 established the IP3 *Global Industry Council* (IP3-GIC), adopted a long-term strategic plan, and ratified a policy concerning mutual acceptance of professional certification.

Mr. Lane will remain a member of the IP3 Board in his capacity as representative for the Canadian Information Processing Society (CIPS).

At their meeting on 11 May 2011 members of the Board of Directors expressed their sincere gratitude to Mr. Lane for the outstanding services he has rendered to IP3 over the past three years.

About IP3

IP3 is leading the development of the global IT profession by providing a platform that will help shape and implement relevant policies to foster professionalism in IT worldwide. Visit www.ipthree.org for more information.

Open and Social Technologies for Networked Learning

In 2011, Tallinn (Estonia) is the European Cultural Capital. In 2012, Tallinn will host an IFIP open working conference on "Open and Social Technologies for Networked Learning". Sponsored by IFIP Working Group 3.4 (Professional Education), the conference is jointly organized by Tallinn University and University of Tampere (Finland). It will take place from 30th of July to 3rd of August 2012.

Open and Social Technologies play an increasingly important role in many educational settings. Social technologies are naturally entering primary, secondary and higher education where they blur the boundaries between formal and informal learning. Social technologies also enter the workplaces where they connect learners and bridge the boundaries between individual learning and organizational knowledge processes. Not only do these technologies connect learners independent of place and time, they have also been found to exert emergent properties. For example, wikis or social tagging environments are increasingly used for collaborative knowledge construction where new knowledge emerges from a large scale interaction of individuals. These properties and their impact on individual, group and organizational learning have only started to be researched.

Open Source Software (OSS) and Technologies have received extensive research attention due to some favorable properties contrasting with a traditional understanding of software development and the use of those systems. Many OSS issues are motivations for OSS developers and licensing bodies. However, important research areas in OSS are product and implementation success and the use of OSS in different educational and enterprise settings. OSS can also serve as a platform for providing services to user communities. Especially in developing countries, OSS provides an attractive opportunity.

First information about the conference from the ning-site at http://ifip-education.ning.com/events/open-and-social-technologies and later from the website to be announced.

The 30th International Conference on Computer Safety, Reliability and Security

19 / 22 September 2011 - Naples, Italy

Technically co-sponsored by IFIP WG10.4
http://www.safecomp2011.unina.it/

Since it was established in 1979 by the European Workshop on Industrial Computer Systems, Technical Committee 7 on Reliability, Safety and Security (EWICS TC7), SAFECOMP has contributed to the progress of the state-of-the-art in dependable application of computers in safety-related and safety-critical systems. SAFECOMP is an annual event covering the state-of-the-art, experience and new trends in the areas of safety, security and reliability of critical computer applications. SAFECOMP provides ample opportunity to exchange insights and experience on emerging methods, approaches and practical solutions. It is a one-stream conference without parallel sessions, allowing easy networking.

SAFECOMP 2011 will be held in Naples, Italy, at the Congress Center Partenope, located on a wonderful seafront promenade, close to the historical center, best hotels and boarding points to the islands.

The 2011 edition is technically co-sponsored by the International Federation for Information Processing Working Group 10.4 on Dependable Computing and Fault-Tolerance, and will focus on the following key theme: safety and security of computer-based systems and infrastructures: from risk assessment to threat mitigation.

This year's edition features outstanding keynote speakers, including Dr. Gerard J. Holzmann (NASA/JPL Laboratory for Reliable Software), the main developer of the SPIN model-checker (http://en.wikipedia.org/wiki/Gerard_J._Holzmann). The full conference program is available at http://tinyurl.com/3zv7svb.

Early registration at discounted rates will be available till July 20th 2011 (see http://tinyurl.com/3ke7hgk).

Workshop (http://tinyurl.com/3j9kzxs) and tutorials (http://tinyurl.com/3q5lyct) will be held as satellite events of the conference. Workshop paper submission could be still open at the time you are reading this column. It is worth noticing that one excellent tutorial will be held by professor Kishor Trivedi from Duke University (http://people.ee.duke.edu/~kst/).

Given the excellent technical content, extremely attractive location and social program, you can not miss joining us at the conference: I look forward to meeting you in Naples!

Dr. Francesco Flammini

SAFECOMP'11 General and IPC Co-Chair

16th conference on decision support systems

IFIP WG8.3 DSS invites the community to Greece in 2012 for the 16th conference on decision support systems (DSS). The aim is to explore the fusion view on information systems and the implications of this view for DSS. In this view, systems should achieve total alignment with the context and the personal preferences of users. The advantage is an opportunity for seamless integration between the enterprise environment and information systems components. It is timely to explore socio-technical approaches for fusing decision support, as well as opportunities and obstacles for achieving a total fusion of DSS systems in various contexts.

The venue is Anávissos (Anavyssos), linked to Athens by a major motorway (GR-91). It's also a short trip (25km) from the new airport, and 30km to the Larion harbour. Mountains surround the town, and a small plain is in the middle with pine forests in the west. Anavyssos offers a beach with a number of restaurants and bars and a spectacular view across the Saronic Gulf to the island of Aegina. The town has authentic and really hospitable inhabitants and tourist-friendly atmosphere.

n 2010 WG8.3 met in Lisbon, Portugal, for outstanding academic presentations and social events that encouraged conversation and technical interchange. The two photos below show delegates at the Castle of St. George overlooking the city and in Lisbon city streets. Come and join us in Greece!

2011 ACS Young ICT Professionals Conference – Melbourne, Australia

In the Information and Communications Technology (ICT) industry, having the right professional contacts often makes a great difference when it comes to solving a technical problem, creating new business opportunities or landing the right job.

YITCon is a Young ICT Professionals Conference, held in Melbourne, Australia from 25 – 26 August 2011. This two-day conference provides an opportunity to meet ICT professionals and expand valuable peer networks.

The theme for YITCon this year is **"The Next Step"** and the conference will take delegates on a journey to provide them with the knowledge and skills to explore the next steps to turn their ideas into reality.

YITCon features an excellent line-up of speakers covering topics such as:
    How to get your next job
    Exploring the future of ICT
    Starting your own business
    How to Improve your career and personal brand
    Opportunities for ICT in the community sector and volunteer organisations.

Conferences and seminars are an excellent way to meet other ICT professionals and thought leaders who can become valuable contacts in the future. At YITCon there will be ample time to network with hundreds of ICT professionals from around Australia and overseas. The YITCon dinner on 25 August will also be attended by a number of large employers and recruitment agencies eager to meet prospective employees.

As the professional association for those working in ICT, the Australian Computer Society (ACS) offers both members and non-members regular networking events, such as YITCon, as part of its professional development calendar.

For more information, or to register to attend, visit www.yitcon.org.au. You can also follow the event on Twitter using the hashtag #YITCon.

IFIP SEC 2011

June 7.-9. the 26th IFIP TC-11 International Information Security Conference (IFIP SEC 2011) took place at the Lucerne University of Applied Sciences.

Over 150 experts of 28 countries (DE, US, UK, FR, SE, AU, ZA, …) attended the conference.

Tree keynote speakers

    Dr. Ann Cavoukian, Information and Privacy Commissioner (IPC) of Ontario, Canada

    Prof. Dr. Michael Waidner, Director of Fraunhofer SIT Darmstadt Germany

    Prof. Dr. René Hüsler, Director of Engineering and Architecture, Lucerne University of Applied Sciences and Arts, Switzerland

24 paper presentation about Authentication / Intrusion Detection / Malware, Information Flow & DoS attacks / Network Security & Security Protocols / Policy Compliance and Obligations / Privacy attacks and Privacy-enhancing Technologies / Risk Analysis and Security Metrics / Software Security

The PrimeLife Summit Event, the presentation of the results of three years EU funded research in the "Privacy and Identity Management in Europe for Life".

The Picos Summit Event, the presentation of the results of three years EU funded research in "Privacy and Identity Management for Community Services".

IFIP Workgroup 11.4 iNetSEC meeting about "Open Problems in Network Security" with 12 presented papers about: Assisting Users, Malware Detection, Saving Energy & Problems in the Cloud, Policies, Problems in the Cloud

IFIP Workgroup 11.8. WISE7 "The Seventh World Conference on Information Security Education" with 20 presented papers in Security Education Research.

The Industrial Track "Research meets Industry" Bruce Nikkel, UBS; Rangar Schierholz, ABB; Stefan Burschka, RUAG; Lorenz Müller, AXSionics; Claire Vishik, INTEL

Two Social Events have been used for networking around the world.

Three proceedings: IFIP SEC 2011, PrimeLife, Prime

All the attendees enjoyed the great hospitality of location and the kindness of the city Lucerne.

We also like to thank the sponsors of the IFIP SEC 2011: Lucerne University of Applied Sciences and Art, UBS, Crypto, Computers&Security and isec.

IFIP International Working Conference on Enterprise Interoperability (IWEI 2011)

The IFIP International Working Conference on Enterprise Interoperability (IWEI 2011) was held on March 23-24 at the Royal Institute of Technology (KTH) in Stockholm, Sweden. KTH also hosted 4 workshops on March 22, devoted to discussing and exploring new issues in topics that were complementary to the ones covered by the working conference. Over 50 researchers and practitioners from almost 20 countries participated in the event.

The single-track program of the working conference comprised 15 full and 5 short papers on topics such as model transformation, enterprise architecture, ontologies, modeling languages, business processes, requirements, service monitoring, and trust models, all in the context of Enterprise Interoperability. These papers were selected from a total of 47 submissions, resulting in an acceptance percentage of 30%. All papers are published in the Springer Lecture Notes in Business Information Processing. Additionally, selected papers will be invited to a special issue in the academic journal Computers in Industry, published by Elsevier.

The conference featured excellent keynotes by Dr. Gérald Santucci and Dr. Andreas Friesen. Gérald Santucci, Head of Unit "Internet of Things and Enterprise Environment", DG "Information Society and Media", of the European Commission presented the research roadmap developed by the community of scientists, developers and other stakeholders in the context of the "Future Internet Enterprise Systems" cluster. Andreas Friesen, Research Program Manager Service Science of SAP, elaborated on the challenges in enterprise systems management and engineering for the networked enterprise of the future.

At the end of the conference, the IFIP TC5 Best Paper Award and Best Student Paper Award were bestowed on Dick Quartel from the Novay research institute (The Netherlands) and Sihem Mallek from the Ecole des Mines d'Alès (France), respectively.

The IWEI series of events began in 2008 as a satellite workshop of the EDOC Conference in Munich (Germany) with a modest 15 participants, then in 2009 was organized as a self-standing workshop in Valencia (Spain) with 30 participants. As mentioned, the Stockholm event attracted 50 participants, thus maintaining a sizeable growth rate.

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

4th International Working Conf. on Computer Aided Innovation http://www.computeraidedinnovation.net	WCCAI 2011	**30.6.-1.7.2011** Strasbourg, FR
13th Intl. Conference on Informatics and Semiotics in Organisations http://www.orgsem.org/2011	ICISO 2011	**4-6.7.2011** Leeuwarden, NL
IFIP WG5.1 8th International Conference on Product Lifecycle Management http://www.plm-conference.org/	PLM 2011	**11-13.7.2011** Eindhoven, NL
IFIP 9.5 WG Virtuality and Society Workshop http://www.ifip95wg.org/		**26.7.2011** Salford, UK
IFIP WG2.5 Working Conference on Uncertainty Quantification in Scientific Computing http://www.nist.gov/itl/math/ifip-woco-10.cfm	WoCo10	**1-4.8.2011** Boulder, CO, USA
ICT and Informatics in a Globalized World of Education http://www.iigwe2011.org/	IIGWE 2011	**16-19.8.2011** Mombasa, KE
Intl. Cross Domain Conference and Workshops on Availability, Reliability and Security—Multi Disciplinary Research and Practice for Business, Enterprise and Health Information Systems http://www.ares-conference.eu	CD-ARES 2011	**22-26.8.2011** Vienna,AT
5th IFIP TC2 Central and Eastern European Conference on Software Engineering Techniques http://cee-set.njszt.hu/	**CEE-SET 2011**	**25-26.8. 2011** Debrecen, HU
The IFIP e-government conference 2011 http://www.egov-conference.org/egov-2011-preview	IFIP EGOV 2011	**29.8.-1.9.2011** Delft, NL
Third International Conference on eParticipation 2011 http://www.epart-conference.org/	ePart 2011	**29.8.-1.9.2011** Delft, NL
24th Symposium on Integrated Circuits and Systems Design http://www.sbc.org.br/sbcci	SBCCI 2011	**30.08-02.09 2011** João Pessoa, BR
The 13th IFIP TC13 Conference on Human-Computer Interaction http://interact2011.org/	INTERACT 2011	**05.9.-09.9 2011** Lisbon, PT
IFIP TC2 Working Conference on Domain Specific Languages https://dsl2011.bordeaux.inria.fr	DSL 2011	**05.9-08.9 2011** Bordeaux, FR
IFIP TC7 Conference on System Modelling and Optimization http://www.ifip2011.de	IFIPTC7 2011	**12-16.9.2011** Berlin, DE
7th IFIP Conference on Artificial Intelligence Applications & Innovations http://delab.csd.auth.gr/aiai2011/	AIAI 2011	**15-17.9.2011** Corfu, GR
The 30th Intl. Conference on Computer Safety, Reliability and Security http://www.safecomp2011.unina.it	SAFECOMP 2011	**19-21.9.2011** Naples, IT
IFIP 8.6 Conference: Governance and Sustainability in Information Systems – Managing the Transfer and Diffusion of IT http://www.ifip86.uni-hamburg.de/conference/	IFIP 8.6 2011	**22-24.9.2011** Hamburg, DE
2nd International IFIP Conference on Bioinformatics neetamazumdar@gmail.com	BIOINFO 2011	**22-25.9.2011** Goa, IN
9th Intl. Workshop for Techn., Econom. and Legal Aspects of Business Models for Virtual Goods http://www.virtualgoods.org/2011	VG 2011	**29.9-.30.9. 2011** Barcelona, ES
19th IFIP International Conference on Very Large Scale Integration http://www.ece.ust.hk/conferences/VLSI-SoC2011/	VLSI-SoC 2011	**3-5.10.2011** Hong Kong, CN
10th International Conference on Entertainment Computing http://www.icec2011.org/	ICEC 2011	**05.10.-08.10. 2011** Vancouver, CA
3rd Intl. Workshop on Reliable Networks Design and Modeling http://www.rndm.pl	RNDM 2011	**5-7.10.2011** Budapest, HU
8th International Workshop on Design of Reliable Communication Networks http://www.drcn2011.net	DRCN 2011	**10.10-12.10. 2011** Krakow, PL