ifip
the leading edge of information technology

News

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Dear friends of IFIP,

It is a great privilege to begin my first full year as President. I realise that I have big shoes to fill – Leon Strous served IFIP with great distinction over two terms, advancing the reputation, prominence and membership of the federation over 6 years.

Since being elected President-Elect back at the General Assembly in Daejeon, I have had the opportunity to meet with many of you, along with the Presidents, Vice Presidents and officers of several of our member societies. It is my intention to continue to do so over the coming weeks and months to get to know many of you better. I will also be meeting with the officers of several non-member societies, who may be in a position to take advantage of our new membership structure and to join IFIP without necessarily being national representative members.

I will also be advancing the case of IFIP with various other bodies, and thanks to the assistance and support of various active volunteers within IFIP have already had productive meetings with ITU and UNESCO -- under whose auspices IFIP was founded -- which are likely to lead to exciting collaborations in the coming months.

And, as IFIP approaches its 60th anniversary, several of our member societies are celebrating various important anniversaries too. It is a great pleasure on behalf of IFIP to congratulate the Australian Computer Society on its recent 50th anniversary, and its highly successful celebrations. We look forward to several other milestone events of member societies in the next few years

With best wishes for 2017

Mike Hinchey,

President

KNVI, Ngi-NGN and SOD are joining forces

UTRECHT - The Royal Dutch Association of Information Professionals (KNVI) is merging with Ngi-NGN, the professional association for ICT professionals and managers, and SOD, the union for document-based information (provisions). As of January 1st 2017, this professional association will be called KNVI. The new KNVI will be the association in the Netherlands, representing 200,000 professionals in Information Management, Information Technology and Information Provisions.

The chairmanship of the new KNVI will be shared by Wouter Bronsgeest and Paul Baak starting January 1st 2017.

The merger of the three associations is historical; the disciplines of the information professionals' of the three associations have considerable overlap. Under the new KNVI they will support society by creating, managing and delivering products and services, and by providing and building knowledge. Today's society is in the middle of a digital transformation and information is key. The information professional 3.0 will therefore be one of the central themes of the new association.

By merging the products and services of the three associations an even richer range of services will be available to information professionals. This broad range is what the new association is all about: sharing and creating knowledge. Special Interest Groups - the sections and regions of the association - will have an important role to play by organising events and developing content that enriches the discipline of information management.

The new KNVI will be strengthened by a Board of Advisors chaired by Marietje Schaake, Member of the European Parlement. Her focus, amongst other things, is on digital freedom and European foreign policy. Klaas Brongers, Eric van Dijk, Stella Kuin, Marjolein Nieboer and Michel Wesseling will fill the member positions of the Board of Advisors.

Want to learn more about the new KNVI? For more information about the associations and the process of merging, see http://samen.knvi.info.

Background information on the individual merging parties can be found at the following links:

- KNVI: the Royal Dutch Association of Information Professionals http://www.knvi.net
- Vereniging SOD: the SOD Association: a network for information and record management http://www.verenigingsod.nl/
- Ngi-NGN: Network for ICT-professionals, -managers, -students and –businesses http://www.ngi-ngn.nl/

SEARCC Conference 2017 in Partnership with NITC in conjunction with IFIP General Assembly

Computer Society of Sri Lanka (CSSL) is the Sri Lankan representative on International Federation for Information Processing (IFIP). Sri Lanka proposed to IFIP that its' annual General Assembly meeting be held in Sri Lanka in September 2017 and at the recently concluded 2016 General Assembly in Costa Rica, they decided to offer this opportunity to Sri Lanka.

This meeting requires IFIP General Assembly members to come to Sri Lanka and it is expected that about 60+ foreign individuals will come for the meeting. Nearly 40 countries will be represented at this meeting.

CSSL is planning to host this meeting, in parallel to the National IT Conference (NITC) that CSSL organises every year. Therefore, visiting foreign delegates would speak at the conference, transferring immense

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knowledge to the local industry and its professionals. NITC also has a regional partnership this year with SEARCC (South East Asian Regional Computer Confederation - http://www.searcc.org), and will be launched as SEARCC Conference 2017 in Partnership with NITC.

" This has created a unique National, Regional and International blend. "

An event of this magnitude with such broad international participation has not occurred in Sri Lanka in the recent past in relation to the ICT sector.

This is an attractive National, Regional and International Platform for Sponsors, Speakers, Delegates, Organizers as well as all other stakeholders.

The CSSL is currently inviting interested parties to approach them to partner with the event. Attractive sponsorship opportunities are also on the offer.

Please liaise with:
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IFIPTM 2017

11th IFIP WG 11.11 International Conference on Trust Management, Göteborg, June 12-16, 2017

Now in its 11th edition, the IFIP WG11.11 International Conference on Trust Management is a well-established event in the field of trust, security and privacy, and brings together researchers and practitioners investigating all aspects of trust management. Trust is an essential glue for any society, whether formed by human or artificial agents, whether in a real-life or an online setting. This trust needs to be established, reinforced or abolished to reflect changes in the society and its participants. IFIPTM offers a forum for all of these topics when it takes place in Gothenburg, Sweden between June 12 and June 16, 2017.

Supplementing its main program, the conference features a graduate symposium for young researchers. Its goal is to provide graduate students at any stages of their graduate career a view of the research, open issues, and state of the art in the field of Computational Trust and Trust Management. The Symposium features lectures by experts in the field, exploring the theory, philosophy and practice of Trust and Trust Management and its application to society and science. There will be ample opportunity to network with presenters and other students, and the Symposium continues into the IFIPTM conference.

In addition, this year's conference contains a special track "Trust on the Road" in which the impact of trust management on vehicular networks, in-vehicle systems, and the interaction of humans with more autonomous vehicles will be discussed. The trustworthiness of exchanged information, the security of the connections, the privacy of the data, and the trust of the user in the provided services are crucial for the acceptance and proliferation of such safety-critical technology.

The deadline for the submissions of papers is January 30, 2017.

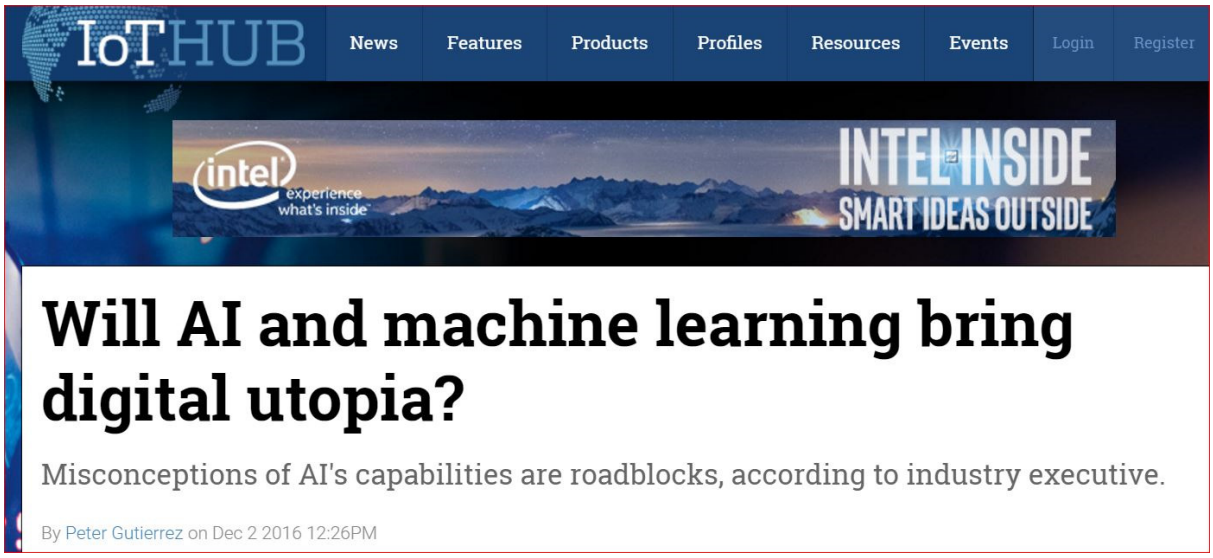
For more information, please refer to http://s.ifiptm.org/conf2017.

IFIP Marketing Update

This is the first quarterly report from IFIP's marketing communications consulting firm, Quantum Values. In the past four months (September - December), 11 media releases have been written and distributed globally, covering events such as:

12th IFIP TC9 Human Choice and Computers Conference (HCC12)
WITFOR 2016
Commencement of Mike Hinchey's term as IFIP President
World Conference on Computers in Education 2017
IFIP SEC 2017 and WISE10
IFIP's support of the IBM AI XPRIZE
Mike Hinchey's participation at the ITU World Telecommunication Standardization Assembly in Tunisia
IFIP's first Natural Disaster Recovery Conference
Australian Computer Society's Minister's Forum
Silver Core Awards

We have engaged with media outlets around the world, including IoTHub.com.au; VOA News, Baseline Magazine, CMO, Global Media IT.



We recently took the opportunity afforded by the ACS 50th Anniversary Celebrations – which were attended by IFIP representatives from around the world – to record a series of short video interviews, which will be used as the basis for IFIP's first YouTube channel, to be launched sometime in Q1 2017. We are keen to develop an extensive library of video content for this platform and welcome offerings of quality footage from other IFIP events and activities across the globe.

Quantum Values produces a monthly curated online newspaper called IFIP Insights, which has featured 30 articles about IFIP's various initiatives and those of its member societies, TCs and WGs over the same four-month period, including stories on:

CEPIS/ITPE
IFIP Summer School
SEARCC
ACS (Australia)
IP3
Centre for Combinatorics on Words & Applications (TC1)

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ACM
Informatics Association of Serbia
IITPSA (South Africa)
BCS (Great Britain)
ICS (Ireland)

IFIP Insights is becoming a popular way to share information about events held by TCs and WGs, as well as key activities by member societies. Our coverage over the last quarter has included:
the establishment of IT Professionalism Europe;
the SEARCC Conference;
the launch of the IFIP Duty of Care for Everything Digital initiative;
ACM's Turing Award;
and others from Serbia, South Africa, Great Britain, Sri Lanka, Australia and Ireland.

If you have information you'd like include in the next quarter, we'd love to hear from you. Please contact Caroline New at Quantum Values by emailing caroline@quantumvalues.com. If you don't have time to write an article, she will happily interview you by Skype to minimise your time investment and send the completed story for your review and approval before publication.

You can also join the conversation with IFIP via social media, on LinkedIn and Twitter @ifipnews.

IFIP Stalwart Ricardo Reis Honoured by University of Monpellier

IFIP Congratulates Professor Ricardo Reis, Chair of Technical Committee 10, on receiving the title of Docteur Honoris Causa de L'Université de Montpellier.

A professor in the Department of Informatics at the Federal University of Rio Grande do Sul in Porto Alegre (Brazil), Reis is engaged in research around Physical Design Automation and Methodologies, CAD tools, Circuits Tolerant to Radiation, VLSI Design Methodologies and Microelectronics Education.

With more than 500 publications and numerous prototypes to his credit, he is recognized internationally for his contributions to the automatic synthesis of topologies of CMOS digital circuits. He represents Brazil in many forums and has contributed to many collaborations with France, particularly with the University of Montpellier since 1990.

In addition to Chairing IFIP TC-10 on Computer Systems Technology, Reis is a Past President of the Brazilian Computer Society, Past Vice-President of the Brazilian Microelectronics Society and has chaired various conferences including IFIP/IEEE VLSI-SoC, IEEE ISVLSI, IEEE LASCAS, Symposium on Integrated Circuits and Systems Design (SBCCI) and Congress of the Brazilian Microelectronics Society (SBMIcro).

He was honoured in a ceremony at the University of Montpellier on 9th December.

ACM Celebrates 50 Years of the A.M. Turing Award

The Association for Computing Machinery will celebrate 50 years of the A.M. Turing Award and the visionaries who have received it with a conference on June 23 - 24, 2017 at the Westin St. Francis in San Francisco. ACM Turing laureates will join other ACM award recipients and experts in moderated panel discussions exploring how computing has evolved and where the field is headed.

Topics will include:

- Advances in Deep Neural Networks
- Restoring Personal Privacy without Compromising National Security
- Moore's Law Is Really Dead: What's Next?
- Quantum Computing: Far Away? Around the Corner? Or Maybe Both at the Same Time?
- Challenges in Ethics and Computing
- Preserving Our Past for the Future
- Augmented Reality: From Gaming to Cognitive Aids and Beyond

The events will also be live streamed. We hope you will tune in to look ahead to the future of technology and innovation, and to help inspire the next generation of computer scientists to invent and dream.

For more information and to reserve your spot, visit http://www.acm.org/turing-award-50

ACM Future of Computing Academy to Empower the Next Generation of Computing Leaders

The Association for Computing Machinery has created the ACM Future of Computing Academy (FCA) http://www.acm.org/fca to support and foster the next generation of computing professionals. The Academy is a platform for the next generation of researchers, practitioners, educators, and entrepreneurs to develop a coherent and influential voice that addresses challenging issues facing the computing field and society in general.

Members of the Academy are expected to engage in activity for the benefit of the next generation of computing professionals. The FCA will provide its members an uncommon opportunity to expand their network beyond their immediate professional environment. It is a unique chance to work with other accomplished individuals from diverse areas of computing towards the common goal of shaping the future of the computing community and society.

ACM is looking for applications from outstanding early-career individuals in computing who can further the goals and mission of the Academy. Since the goal is to lay the foundation for future generations of computing professionals, we anticipate that members will typically be in their 20s and 30s. Applications for the ACM Future of Computing Academy will be open from January 6 to March 15, 2017.

The inaugural meeting of the ACM Future of Computing Academy will be on June 25, 2017 in San Francisco. FCA members will also be invited to attend ACM's celebration of 50 years of the ACM Turing Award http://www.acm.org/turing-award-50 on June 23 - 24 at the Westin St. Francis.

IP3 News

International Professional Practice Partnership
Transforming IT Professional Practice

IP3 Planning Meetings

IP3 held their face-to-face planning meeting in Sydney on 27 and 28 November 2017. Our hosts for 28 November 2016 were University of Technology, Sydney (UTS). In addition to providing a meeting room, they held a reception at the end of the day providing IP3 board members and other guests the opportunity of meeting senior academic staff. Some board members also visited the UTS Data Arena on 29 November for a demonstration of some of the amazing work the IT faculty is doing with Virtual Reality. Our sincere thanks go to UTS for their hospitality.

Our planning meeting focused on opportunities to earn revenue and seek funding, without losing focus on our mission. The goals and action items we agreed to for 2017 are:

Articulate value of IP3 certification program
Administer a prize for a relevant project
Gender equality project
Accreditation Guide
Engage a broker to find funding sources
iDOCED campaign (IFIP Duty of Care in Internet of Everything Digital.

We are aware that some of these goals overlap with the work of IFIP Technical Committees, Member Societies, and other focus groups. We would be very pleased to work with any interested parties to pursue common goals, and would appreciate access to appropriate research. Please contact mderoche@ipthree.org if you wish to participate in any way.

Meetings with IFIP Member Societies

One of the issues to come out of the planning meeting was, in addition to opportunities for collaboration, the benefits of talking to IFIP member societies. Chairman Brenda Aynsley is available to meet with your society in the June-July 2017 period for European-based societies, and those based in Asia to coincide with IFIP GA in Sri Lanka (September 2017). Please indicate your interest in participating in a one to one meeting between IP3 and your group by writing to baynsley@ipthree.org

The agenda for such a meeting is simple, “IFIP IP3 what’s in it for (insert your Society name here)”, a discussion around the value of promoting professionalism in your ecosystem to your economy and the cost to global ICT practice in not having a quality standard for your ICT professionals

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ACS celebrations

Following our meetings, IP3 representatives were invited to attend ACS special events which celebrated their 50th Anniversary:

Ministers' and President's Forum 30 November 2016. IP3 hosted a session on Trustworthy Computing chaired by Brenda Aynsley. with participation from Mike Hinchey IFIP President, Ulandi Exner and Adrian Schofield (IITPSA), Ray Long and Liz Bacon (who attended remotely) (BCS), and moderated by Professor Michael Fraser. IFIP IP3 thanks those member societies for their participation and support of the IP3 partnership.

Sydney Harbour Cruise evening 30 November 2016

Reimagination Thought Leaders' conference 1 December 2016.

Digital Disruptor's Awards Evening 1 December 2016

IP3 were delighted to join ACS in their wonderful celebrations, and congratulate ACS on organising these outstanding events.

Sydney 2016 Declaration - IFIP IP3 Launches iDOCED Initiative

The iDOCED initiative seeks to raise awareness of what users can and should do to protect themselves in today's digitally-connected world, and to highlight the need for companies to act responsibly and ethically in the development and implementation of commercial products and services. IFIP IP3 wants companies to ensure their products and services HIT the mark for their clients, customers and the broader community, where HIT stands for Honour, Integrity and Trust, all of which are part of the Duty of Care for ICT professionals in the execution of their work.

IFIP IP3 encourages a situation where individuals and companies buying digital products and services are applying due diligence and demanding that suppliers demonstrate Honour, Integrity and Trust in all their dealings with them. As a global body with members all over the world, IP3 will work proactively with professional bodies and other stakeholders in industry and government to raise awareness of iDOCED and encourage its wide adoption. As this happens more widely, consumers will be able to rely on the AI (artificial intelligence) of Everything and the Internet of Everything as being trustworthy and safe to engage with and rely upon for communication, transactions and more.

Media Release is at *http://www.ifipnews.org/ifip-ip3-launches-idoced-initiative/?platform=hootsuite*

GIC News

Stephen Ibaraki, GIC founding chair was active advocating for IFIP, IP3, GIC and IFIP member societies, during October and November. As always, his many activities saw him speaking at events around the world, serving on many high-level committees and taking a leading role at ITU-sponsored events.

For more details of this, and more information and visuals about the activities described in this newsletter, please go to
http://www.ifip.org/images/stories/ifip/IP3/ip3%20ifip%20december%202016%20newsletter%20final.pdf

The UNESCO Heritage site of Chhatrapati Shivaji Maharaj Terminus overlooking the typical Mumbai traffic of a BEST bus and the iconic Mumbai taxi. (Photograph by Rajarshi Mitra, Flickr)

The 16th edition of INTERACT will take place in Mumbai, India between September 25–29, 2017. The conference will be hosted in Asia after 16 years and for the first time in India. The post-monsoon timing of the conference coincides with the festival of *Navaratri,* a festival of dance and celebration.

With the theme 'Global Thoughts, Local Designs,' INTERACT 2017 Mumbai has 14 tracks for different participants—academicians, students, researchers, practitioners. This HCI conference will bring together a wide variety of people including scientists, sociologists, engineers, designers, writers, entrepreneurs, managers and recruiters.

Besides the traditional tracks such as papers, workshops and courses, new tracks like field-trips, student research consortium, student design consortium, industry presentations and installations will open new avenues to participate and share your work with the others. As part of the field-trips, participants will visit locations around Mumbai and carry out a research activities with users in their local environments. The installations are a unique set of demonstrations where participants can showcase their creativity and skills to the broader community. The student design and research consortia will showcase work of Undergraduate and Masters students. The doctoral consortium gives a space to researchers early in their PhD to get feedback from with the leading experts in the field.

The deadlines for full papers, workshops and field trips are January 25, 2017. The deadline for short papers, posters, demos, courses and the doctoral consortium are April 19, 2017. The deadlines for the student research consortium, student design consortium, installations, industry presentations, case studies, and panels is June 30. Find out more at www.interact2017.org.

Yasas V. Abeywickrama finishes term as IFIP interYIT Chair

IFIP InterYIT Chair Yasas V. Abeywickrama stepped down earlier this month as InterYIT Chair after completing his full term of three years.

Abeywickrama also got elected as President of Computer Society of Sri Lanka in late November, and he will commit more time at the helm of his home society.

The last three years mark a remarkable period for InterYIT. Abeywickama, as the second Chiar of the group built on the foundation laid by his colleague from Australia and first InterYIT Chair Joel Nation.

Introduction of IFIP International Young IT Awards is a major achievement during this time which attracted a broad range of candidates from around the world. The award winners were presented with their awards in Sydney, at the Australian Computer Society's (ACS) Reimagination Conference, which had been organized in conjunction with the 50th year celebrations of the ACS. IFIP President Professor Mike Hichey and IFIP InterYIT Chair Yasas V. Abeywickrama were part of the awards presentation.

InterYIT collaborated and were engaged broadly around the world taking IFIP message strongly to youth during his tenure. InterYIT represented in China, Japan and India during this time on high level as well as on youth platforms.

Abeywickrama also lead his group to partner with Youth Innovation and Entrepreneurship Platform in Nigeria. The group also had the opportunity of collaborating with World Conference on Youth in 2014.

The stepping down InterYIT Chair also lead the organizing of the first ever InterYIT International Conference in Korea in October 2015, at the World Computer Congress 2015.

He saw his group supporting Young IT events around the world. InterYIT also partnered with International Schools Software Competition of SEARCC (South East Asian Regional Computer Confederation). This was on the backdrop of InterYIT having signed a broad MOU with SEARCC under his leadership in 2014.

The group supported formation of National Young IT Groups in various countries, and for this Abeywickrama had his group develop a Body of Knowledge on how to set up Youth IT Groups by national computer societies.

Yasas V. Abeywickrama continues to be a Councillor of the IFIP Board, and also is the Sri Lankan representative on the IFIP General Assembly.

ICILS 2018

Should computational thinking be part of every child's education?

Computer science and the rapid growth in digital technology have transformed our world. Today's children need to become technologically literate to navigate the future workplace. But are our schools responding to these demands? The IEA International Computer and Information Literacy Study (ICILS) 2013 was a pioneering comparative study, assessing computer and information literacy (CIL) skills of 60,000 eighth graders from 21 education systems.

ICILS 2013 provided policymakers and education systems with unexpected findings about CIL-related education programs, revealing only 2% of students used their critical thinking skills. Teachers lacked confidence and needed more support in teaching essential CIL skills. Although 75% of schools reported to having installed learning games, these resources were rarely used.

ICILS 2018 will again collect comparable data from grade 8 students and their schools. In addition to providing this snapshot of students' digital literacy and monitoring changes since 2013, the 2018 study introduces an innovative computational thinking module. Future citizens need to become creators, not just consumers, of digital knowledge, and computational thinking assesses students' ability to identify a problem, break it down into manageable steps, identify important details or patterns, shape possible solutions, and present these in a way that all can understand. The core skills are fundamental and, increasingly, education and business leaders are advocating that computational thinking should be core to every child's education.

Understanding how computer technologies can be applied to solve real-world problems includes the same logical-deductive reasoning that underpins computer coding. In ICILS, students undertake computer tasks based on real-world problems and real-world computing applications. The carefully-designed study assumes no coding knowledge. All students complete tasks that relate to information searching, evaluation, retrieval and communication with others in the digital environment. Selected students will also undertake tasks related to automation, sequential algorithmic thinking and problem solving. ICILS 2018 will provide another world-first in collecting cross-national data about the development of computational thinking skills in school.

For more information about IEA ICILS 2018, please visit our website at: http://www.iea.nl/icils

Please check out our IEA LinkedIn company page and follow us @iea_education on Twitter for the latest updates on IEA's global activities and more!

http://www.plm-conference.org

Conference of the **WG5.1** "Global Product development for the whole lifecycle" (www.ifip-wg51.org)

Since 2003, **the 14th IFIP WG5.1 PLM International Conference** brings together researchers, developers, and users of Product Lifecycle Management (PLM), an ICT and integrated business approach to the collaborative creation, management and dissemination of engineering data throughout the extended enterprises that create, manufacture and operate engineered products and systems.

The conference aims at involving all stakeholders of the wide concept of PLM, hoping to shape the future of this new field and advance the science and practice of enterprise development. PLM IC is the official conference of the WG5.1 as well as the International Journal of **Product Lifecycle Management** (IJPLM, www.inderscience.com/ijplm).

Beyond the scientific presentations, the conference dedicates:

- ***A full day for industry panels and presentations*** *(last year 6 presentations were given by Amazon Web Services, IBM Watson Internet of Things, Dropbox, Mews Partners and Aras).*
- ***IFIP Awards*** *for the «Marco Garetti Best Paper» and the «Best PhD study»*
- ***Several local industrial site visits***
- ***Panels on economic visions***
- ***Special Sessions on current socio-economical subjects***
- ***Keynote Speakers***
- ***1 PhD workshop***
- ***Special issues in Scientific Journals***

Join us in Seville next July 2017!

Contacts:

Organization: José Ríos at jose.rios@upm.es

or IFIP WG5.1: Aziz Bouras at abdelaziz.bouras@qu.edu.qa

12th IFIP TC9 Human Choice and Computers Conference
7th-9th September 2016
was a great success

Members of Working Groups and National Societies with representatives in Technical Committee 9 on ICTs and Society, along with other interested parties, met at MediaCityUK, Salford Quays, Greater Manchester, UK, for a lively and fascinating conference around the theme: "Technology and Intimacy: Choice or Coercion." The many talks on issues of privacy, security, social and philosophical concerns associated with ubiquitous social computing were led by two keynote speakers, Professor Charles Ess and technology in the arts practitioner Ghislaine Boddington, who both focussed on the phenomenon of sex robots.

Speakers from South Africa, Germany, Slovenia, Australia, Norway, Britain, Japan, Canada, Italy, Denmark, Malaysia, Greece, Sweden, Ireland, the US, the UK and Finland, representing Universities and Companies from around the world, came together for three days to address the sensitive issues and concerns of the potential impact of our ICTs starting to walk and talk.

News media were especially interested in this conference, and, thanks to Caroline New, Quantum Values, and her team, and the willingness of Conference Chair to provide a large number of interviews – for print, online, radio and tv media – the coverage of HCC12 was incredible. The University Of Salford (host institution) estimated a reach of almost 14m people, through Sky News, BBC News, BBC Radio, The Times, The Daily Mirror, The Observer, The South China Morning Post, The Register, Tech Radar, TelecomTV, Impulse Gamer, Venture Beat, IT Nerd, News.com.au, derStandard.at, Computer Business Review, News Switch, and more.

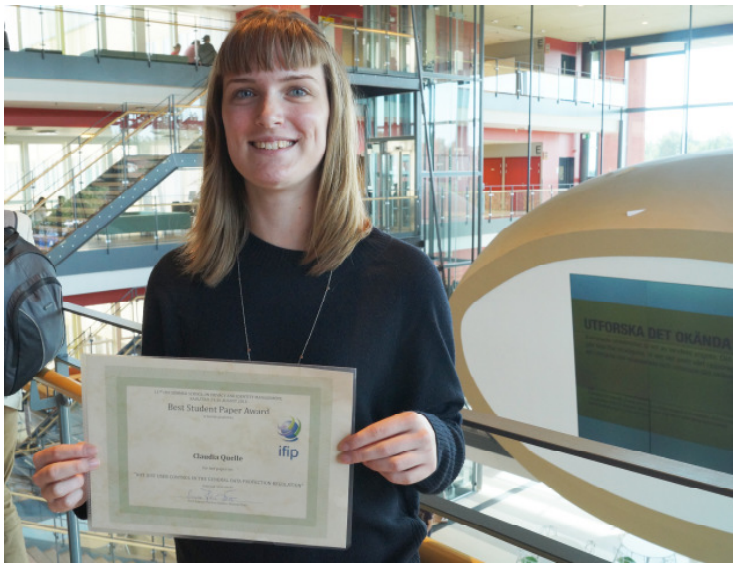
The proceedings were published by Springer in August 2016, a copy distributed to each delegate, and is on sale through the Springer website. Videos of almost half of the speakers' presentations, which took place in the Digital Performance Lab at MediaCityUK, are available to watch on the conference YouTube Channel, which can be found through the conference website at www.hcc12.net

Conference Chair David Kreps would like to thank his co-Chairs, Diane Whitehouse (TC9 Chair), Marie Griffiths (WG9.5VC) and Gordon Fletcher for their hard work.

23 years of interdisciplinary researcher education:

11th IFIP Summer School on Privacy and Identity Management in high demand with new EU data protection regulation and smart Big Data on the horizon

From 22.26 August 2016, the 11th IFIP Summer School on Privacy and Identity Management was held at Karlstad University in Sweden. More than 90 attendants joined the week-long interdisciplinary program focusing on data protection and information privacy from technical, legal, ethical, HCI and industrial perspectives. 35 PhD students presented their research, collected feedback for their work, and participated in workshops and tutorials on research methods and current topics in information privacy.



Claudia Quelle, winner of student paper award

The student best paper award was received by Claudia Quelle from Tilburg University for her contribution on data controller responsibility in the context of fundamental rights. The summer school program was inspired by two major themes: Big Data and the coming General Data Protection Directive in the European Union. Keynote speaker Roger Clarke opened the summer school with his speech on Big Data privacy risks and their assessment and management, a theme followed up with a workshop on Big Data applications and individual rights under the new European General Data Protection Regulation (GDPR) offered by the German research project Forum Privatheit. The other recurring challenge was the coming implementation of the EU's GDPR, which poses a rather big challenge to any business providing services based on personal data. Major changes in regulation include data subject's right to be forgotten and to data portability, the requirement for data controller to enable Privacy by Design and Default, and complementary serious fines for non-compliance for global players. Other program elements focused on research methods, research ethics, privacy technology progress, privacy of personal health data, cloud privacy, and cyber security issues.

Final panel on data protection

The IFIP Summer School was organised in co-operation with IFIP Working Groups 9.2, 9.5, 9.6/11.7, 11.4, 11.6 and Special Interest Group 9.2.2 in co-operation with the Computer Science Department at Karlstad University, HumanIT, the EU H2020 Projects Privacy&Us and CREDENTIAL, and the Privacy Forum (Forum Privatheit) project. The program and the presentations can be found at http://www.ifip-summerschool.org/ .

Lothar Fritsch, local organizer at Karlstad University, Sweden

Pre-ICIS symposium SIGDSA/IFIP WG8.3 DSS

A Pre-ICIS symposium sponsored by SIGDSA and IFIP WG8.3 DSS was held on Sunday, December 11, 2016, in Dublin, Ireland, preceded by a reception on Saturday sponsored by Teradata**.** The symposium brought together academic and industry experts and professionals who share a common passion for research and pedagogy innovations in the field of business analytics and decision support science. This Symposium was joint collaboration of the Association for Information Systems Special Interest Group on Decision Support and Analytics (SIGDSA) with International Federation for Information Processing Working Group 8.3: Decision Support Systems (IFIP WG8.3) and the University College Cork (UCC), Cork, Ireland. The symposium continues to be the momentum to close knowledge gaps by providing a forum for facilitating constructive discussions for researchers who are engaged in exploring topics and issues in business analytics and decision support science.

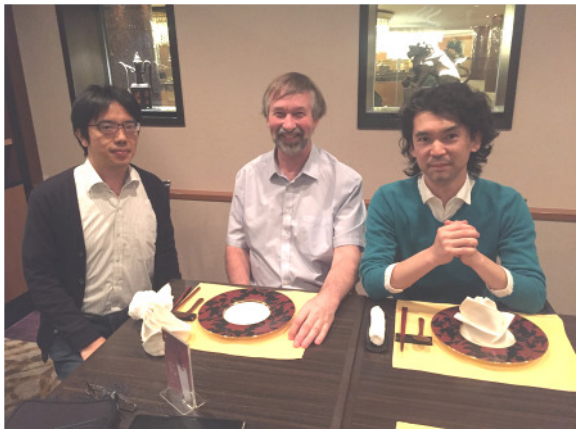
"big data, better decisions, brighter future"

Open Conference of the IFIP WG 8.3
University College Cork, Ireland, on 22-24 June, 2016

The 2016 Open Conference of the IFIP WG 8.3 was held at University College Cork, Ireland, on 22-24 June. The theme of the conference: ***"big data, better decisions, brighter future"*** was chosen to highlight the trends in the increasing abundance of data/information, increased technological advancements and the resulting requirement for a strong research focus on data/information management and decision making, to provide a better and brighter future. The 2016 Open Conference of the IFIP WG 8.3 highlighted the applications, data (big & small), analytics, stakeholders and impacts of decision making and decision support in the business world of today. There were three associated events: PhD consortium (preceding the conference), the conference itself, and Data Saavy Practitioner Forum (following the conference). Proceedings were published by Taylor & Francis as open access to increase paper visibility through a supplement to *Journal of Decision Systems*. The next conference to be held in June 2018 in Ljubljana, Slovenia, in partnership with the Jozef Stefan Institute.

Working Group 3.3 explores educational research

Andrew Fluck and Peter Micheuz in Austria



Left to right: Yoshiaki Matsuzawa, Andrew Fluck, Toshinori Saito

Meetings were held in November and December 2016 between members of TC3 working groups 3.3 and 3.1. Current chair of WG3.3 (research on educational applications of information technologies) met deputy chair of WG3.1 (informatics and digital technologies in school education) on a visit to Alpen-Adria University in Klagenfurt, Austria. The growing distinction between the common use of computers in schools (ICT) and the more technical aspects (variously known as informatics, computing, computer science or digital technologies) was identified as a public relations problem for the educational community. Luckily there are now a host of popular global initiatives to encourage computational thinking and coding in schools, such as the Bebras competition. Robotics is an excellent way for students to learn through many senses at once, but affordable and robust equipment which can be programmed at many levels of sophistication remain elusive. Discussions continue on improving the web-presence of both Working Groups.

A further meeting of WG3.3 members occurred in Tokyo. A robotics project with great potential, Mugbot, was shared, and we looked at the emerging need for school students to work with non-procedural coding skills to be future-ready. Some nice examples are VISCUIT and the IBM research quantum experience. There is a need to predict a decade into the future when working in schools, because the foundational experiences of students will shape their lived experience and working lives many years later. An international digital equities research project was discussed with a focus on BYOD (Bring Your Own Device) policies across the world. Finally, just five years in the future, we looked at potential venues for WCCE (world conference on computers in education) 2021!

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

SmartER Europe - Smart Energy Research at the crossroads of Engineering, Economics and Computer Science http://www.smarter-europe.net	SmartER Europe	19/02-19/02 2017 Essen, DE	E-world energy & water Essen Enterprise Europe Network
Wireless On-demand Network systems and Services http://2017.wons-conference.org	WONS	21/02-24/02 2017 Jackson, US	IFIP WG6.3 / IFIP TC6
20th Innovations in Cloud, Internet and Networks http://www.icin.co.uk	ICIN	07/03-09/03 2017 Paris, FR	IFIP WG6.2 / IFIP TC6
Wireless Days 2017 http://www.wireless-days.com	WD	29/03-31/03 2017 Porto, PT	Faculdade de Engenharia da Universidade do Porto (FEUP)
Fundamentals of Software Engineering http://fsen.ir/2017/	FSEN 2017	26/04-28/04 2017 Tehran, IR	IFIP WG2.2 / IFIP TC2
3rd International Workshop on Quality-Aware DevOps http://qudos2017.fortiss.org/	QUDOS	27/04-27/04 2017 L`Aquila, IT	IFIP WG2.14 / IFIP TC2
Doctoral Conference on Computing, Electrical and Industrial Systems http://sites.uninova.pt/doceis/	DoCEIS`17	03/05-05/05 2017 Caparica (Lisbon), PT	SOCOLNET - Society of Collaborative Networks / IFIP WG5.5
International Symposium on Environmental Software Systems 2017 http://www.isses2017.org	ISESS 2017	10/05-12/05 2017 Zadar, AT	IFIP WG5.11 / IFIP TC5
15th International Symposium on Modeling and Optimization in Mobile, Ad Hoc and Wireless Networks http://www.wi-opt.org	WiOpt	15/05-19/05 2017 Paris, FR	IFIP WG6.3 / IFIP TC6
Young Scientist`s Second International Workshop on Trends in Information Processing http://ysip2.computational-logic.org	YSIP	16/05-20/05 2017 Dombai, RU	IFIP TC12
The International Conference on the Social Implications of Computers in Developing Countries http://2017.ifipwg94.net	IFIP WG 9.4 2017	22/05-24/05 2017 Yogyakarta, ID	Sanata Dharma University / IFIP WG 9.4
Open Source Software Conference http://www.oss-2017.org	OSS 2017	22/05-23/05 2017 Buenos Aires, AR	Irill, ACM, Sadio, IEEE, SigSoft, TCSE
Eleventh IFIP WG 11.11 International Conference on Trust Management http://ifiptm2017.chalmers.se	IFIPTM 2017	12/06-16/06 2017 Göteborg, SE	IFIP WG11.11 / IFIP TC11
IFIP Networking Conference http://networking.ifip.org/2017/	Networking	13/06-15/06 2017 Stockholm, SE	IFIP TC6
Network Traffic Measurement and Analysis Conference 2017 http://tma.ifip.org/2017	TMA 2017	21/06-23/06 2017 Dublin, IE	IEEE
ACM SIGCHI Symposium on Engineering Interactive Computing Systems http://eics.acm.org/2017	EICS 2017	26/06-29/06 2017 Lisbon, PT	NOVA University of Lisbon / IFIP
World Conference on Computers in Education 2017 http://wcce2017.com	WCCE 2017	03/07-06/07 2017 Dublin, IE	IFIP

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