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the leading edge of information technology

News

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From IFIP President Mike Hinchey

As 2017 draws to a close, I'd like to take the opportunity to wish all our members a very Happy Christmas and festive season.

It's been a year of significant highlights for many of our member societies, with IITPSA marketing its 60th Anniversary, ICS and INRIA celebrating their 50th Birthdays while the ACM marked the 50th Anniversary of its Turing Awards.

On the technology front, AI and Big Data have been the focus of significant attention and development efforts and that will only increase next year as these technologies continue to advance in new and often unexpected directions.

As we look forward to 2018, keep one eye focused on Poznan, Poland, where preparations are continuing for the World Computer Congress (WCC 2018) in September next year. WCC is IFIP's flagship conference and will bring together 17 specialist companion workshops and conferences under the WCC banner, as well as a cybersecurity Capture the Flag contest, so mark your calendar and plan to take part in this exciting multi-faceted event.

We will be engaging with various UN bodies to take part in WSIS, AI for Good and CTAD events throughout the first half of the year, each of which offer significant opportunities for IFIP to influence and contribute to discussions and initiatives to use technology to solve real-world problems.

We're also working behind the scenes to enhance our website presence, so stay tuned for some significant changes at ifip.org

Thank you for your interest in IFIP, and if you have played an active role in any IFIP events or activities throughout the year then I trust that was a meaningful and rewarding experience.

2018 will offer new and unique opportunities for us to explore and collaborate on new frontiers in the application of technology for the benefit of society. I invite you to join us in this adventure.

The 24th IFIP World Computer Congress
September 17-22, 2018
Poznan, Poland

Events within WCC 2018

Conferences and workshops

International Conference on Research and Practical Issues Enterprise Information Systems
IFIP Internet of Things Conference (org. IFIP Domain Committee Internet of Things)
Beyond Databases, Architectures and Structures
International Symposium on Computer and Information Sciences
Human Choice and Computers Conference
Information Security and Privacy Conference (TC-11)
Information Security Education for a Global Digital Society
International Conference on Entertainment Computing
Histories of Computing in Eastern Europe
Applied Data Science
IT in Disaster Risk Reduction Conference
IT Research Workshop (co-operation business-research)
70th anniversary of Polish Computer Science Conference
Signal Processing Architectures and Applications

Keynote talks

"Responsible Data Science in a Dynamic World", by Wil van der Aalst (no 1 expert in workflow design and mining)

envisaged talks by Turing Award holders

Events popularizing IT

70th Anniversary of Polish Computer Science Conference
Oxford style debate on social aspects of computer science
short talks, given by great speakers, popularizing modern IT technologies (e.g,, crypto-currency, cyber-security, quantum computing, autonomous vehicles, the Internet of things)

IT contests

Cybersecurity Contest Capture-the-Flag
IT Challenge Pitching - motivate your research and development project

IFIP General Assembly and technical meetings

Patrons

Ministry of Digital Affairs

POZnań
Honorary Patronage of the Mayor of Poznań

Ministry of Science and Higher Education
Republic of Poland

VENUE

The Congress will be held in the campus of the Poznan University of Technology, in the Lecture and Conference Center and Technical Library (Piotrowo 2, Poznań, Poland).

The Future of Work

IFIP's Honorary Secretary Prof. A Min Tjoa in his function as Vice Chairperson of the United Nations Committee on Science and Technology for Development (UN-CSTD) was invited on the panel of the General Assembly of the United Nations in ist 2nd Committee to deliver his address on the „Future of Work".

Full address can be found at:

http://webtv.un.org/watch/the-future-of-work-making-decent-work-a-reality-second-committee-general-assembly-72nd-session/5596074775001/?lan=english

The Foundation for Responsible Robotics forms partnership with KNVI

The Foundation for Responsible Robotics (FRR) joins forces with the Royal Dutch Foundation for IT- and Information Professionals (KNVI). KNVI is the largest and oldest association for IT- and information professionals in the Netherlands. The new partnership will aid FRR to achieve its mission to shape the future design, development and use of robotics in a responsible way and widen its network of professional practitioners. In turn, FRR broadens KNVI's network into the robotics domain and provides insight into the newest digital transformations.

The chairman for the KNVI, Dr. Wouter Bronsgeest, said "this is a wonderful partnership for KNVI that will help our members to develop their knowledge of digital leadership and their contribution to shaping the future".

This was supported by Dr. Aimee van Wynsberge, co-director of FRR, who said, "we are delighted to join up with KNVI to provide the mutual benefits of linking two distinct digital communities".

FRR will bring on board its critical reflections on ethical and human responsibility issues. This will extend KNVI's professional codes of conduct to include the societal impact of new technologies.

"KNVI will help to advance the Foundation for Responsible Robotics goals of maintaining human accountability and responsibility as the digital revolution takes hold in robotics", said Professor Noel Sharkey, co-director of FRR.

The partnership takes place from the 1st of December 2017, so watch out for joint projects and publications in the near future.

The Foundation for Responsible Robotics (FRR) was founded on December 15 2015 to shape the future design, development, implementation, and use of robotics in a responsible way. We facilitate this through: organizing workshops to bring multiple stakeholders together; writing reports to educate the public on the latest robotics innovations; and public-private collaborations to encourage transparency in industry. See responsiblerobotics.org

The Royal Dutch Foundation for IT- and Information Professionals (KNVI) is the independent Dutch platform for IT- and Information professionals. It provides a platform for exchanging knowledge, networking and lifelong learning. See: www.knvi.nl

Noel Sharkey PhD DSc FRIN FRSA FBCS CITP FIET is Emeritus Professor of Artificial Intelligence and Robotics, Professor of Public Engagement University of Sheffield and co-director of the Foundation for Responsible Robotics

Aimee van Whynsberghe PhD is Assistant Professor of Ethics and Technology at TU Delft and co-director of the Foundation for Responsible Robotics.

Wouter Bronsgeest PhD is duo-chairman of KNVI, researcher at the Center for eGovernment Studies (CFES) of the University of Twente, and Strategic Advisor of the CIO of the Dutch Tax & Customs Administration/Ministry of Finance.

Ukrainian events in IT

Software DevelopmentForum

On November 10, the Kyiv-based Hilton Hotel hosted a major event from the IT Ukraine Association - Software DevelopmentForum 5.0. The event gathered several hundred participants, among them: representatives of leading Ukrainian and international IT companies, international organizations, state bodies, higher educational establishments and mass media. The main topics for discussion during the event were: global competition and the place in it of the domestic IT industry, the impact of the industry on the country's economy, the issue of human resource development and the creation of a quality system of technical education.

The forum was opened by Nikolai Roenko, president of Miratech, and Yuri Antoniuk, managing director of Eram Ukraine, president of the IT Association of Ukraine. They noted that the Ukrainian IT industry has entered a completely new, global level, and Ukraine is the world-renowned provider of services in the IT industry. Advances gained in international markets have a positive effect on the country's economic situation.

Yuri Antoniuk, managing director of Eram Ukraine, president of the IT Association of Ukraine

The leaders and members of the Ukrainian Federation of Informatics took part in the Forum.

IFIP President Mike Hinchey and Representative of UFI in IFIP GA Igor Grebennik

IFIP President Mike Hinchey

The problem of human resource development and the shortage of specialists is one of the acute issues for the Ukrainian IT industry, and the Forum's organizers paid special attention to this topic. Within the framework of the IT Education: Fundamentals of the Future panel, IFIP President Mike Hinchey shared his experience of engaging in the young generation of information technology in an example project that he successfully implemented in Ireland.

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60th anniversary of the Glushkov Institute of Cybernetics

On December, 13 60th anniversary of the Glushkov Institute of Cybernetics of the National Academy of Sciences of Ukraine.

In the world IT community, the Cybernetics Institute is known as the leading scientific center in the field of cybernetics, computer science, computer mathematics. The Institute has long-standing ties with IFIP, which many years ago were laid by its first director, academician V.M. Glushkov. Currently, as part of the Ukrainian Federation of Informatics - a member of IFIP - the Institute of Cybernetics continues to take an active part in the work of IFIP.

IFIP President sent a felicitation letter to the Head of the Institute, President of Ukrainian Federation of Informatics Prof. Ivan Sergienko.

Annual congress of the Ukrainian Federation of Informatics

On December, 22 held an annual congress of the Ukrainian Federation of Informatics. His work was attended by UFI leaders and delegates from different regions of Ukraine. The actual problems of the development and operation of the UFI were introduced, amendments were made to the Federation Statute, new members of the UFI were elected.

Mykola Roenko, President of Miratech - a leading Ukrainian company in the field of IT and outsourcing, was unanimously elected as the Vice-President of the Ukrainian Federation of Informatics.

UFI welcomes the participation of representatives of IT business in the work of the Ukrainian academic IT community and hopes for a fruitful cooperation between IT business and IT education.

New UFI Vice-President Mykola Royen

OCCE.2018 **„Empowering Learners for Life in the Digital Age“**
IFIP TC3 Open Conference
25th - 28th June 2018 Linz Austria
Chairman of Organizing Committee

IFIP TC3 OPEN CONFERENCE ON COMPUTERS IN EDUCATION 2018

OCCE.2018 is an open conference hosted by the OCG (Austrian Computer Society). In 2018, we will explore challenges and opportunities emerging, together with the societal impact of digital technologies:

Computational thinking and design and systems thinking
Computer science education
Creativity and leadership
Datafication and learning analytics
Digital and media literacy and agency
Digital citizenship, responsibility, ethics and digital security
Digital natives versus digital naïves
Game-based learning and behavioural patterning
Inclusion and adaptive technologies
Innovative learning with emerging technologies
Scalability and sustainability
Shifting landscapes in strategies, policies and curricula
Schools and technology addiction
Tech-free schools
OER Open educational ressources

As a participant you will be involved in our community of stakeholders in the fields of ICT, computing and digital media in education. OCCE.2018 will be a forum to follow the latest research, see and discuss innovative technology, share your knowledge and experiences, network with colleagues, be inspired by leading experts, and offer your ideas to other professionals.

Doctoral Consortium
A Doctoral Consortium will provide an opportunity for PhD students to discuss and explore their research ideas, to practice presenting at an international conference and to receive feedback from active senior researchers in IT and ICT education. You can find more about the Doctoral Consortium on our website.

Conference venue
Linz was the European Cultural Capital of 2009, and is the UNESCO City of Media Arts, which is genuinely unique. The superbly-preserved Old Town isn't the only place where the connection between this legendary eco-friendly city and its long history is evident.

The conference venue is in the centre of the town. All conference sites and most of the hotels will be in walking distance of the conference site. Linz is not only situated in the middle of Europe, but is also easily reachable from all directions and by all forms of transport.

If you need more information about your participation in OCCE.2018, please have a look on the conference website (http://occe.2018.ocg.at) or contact the LOC (Local Organizing Committee) by email (occe.2018@ocg.at).

Anton J. Knierzinger
Prof. em. PH

ACM Names 2017 Fellows

ACM has named 54 members ACM Fellows for major contributions in areas including database theory, design automation, information retrieval, multimedia computing and network security. The accomplishments of the 2017 ACM Fellows lead to transformations in science and society. Their achievements play a crucial role in the global economy, as well as how we live and work every day.

"To be selected as a Fellow is to join our most renowned member grade and an elite group that represents less than 1 percent of ACM's overall membership," explains ACM President Vicki L. Hanson. "The Fellows program allows us to shine a light on landmark contributions to computing, as well as the men and women whose hard work, dedication, and inspiration are responsible for groundbreaking work that improves our lives in so many ways."

Underscoring ACM's global reach, the 2017 Fellows hail from universities, companies and research centers in Canada, China, Denmark, Germany, Switzerland, the United Kingdom and the United States.

The 2017 Fellows have been cited for numerous contributions in areas including artificial intelligence, big data, computer architecture, computer graphics, high performance computing, human-computer interaction, sensor networks, and wireless networking.

ACM will formally recognize its 2017 Fellows at the annual Awards Banquet, to be held in San Francisco on June 23, 2018. Additional information about the 2017 ACM Fellows, and the awards event, as well as previous ACM Fellows and award winners, is available on the ACM Awards site.

Read the news release.

ACM Names 2017 Distinguished Members

ACM has named 43 Distinguished Members for outstanding contributions to the field. As a group, the 2017 Distinguished Members are responsible for an extraordinary array of achievements, reflecting the many distinct areas of research and practice in the computing and information technology fields.

The 2017 ACM Distinguished Members work at leading universities, corporations and research institutions around the world, including Australia, Belgium, Canada, France, China, Italy, The Netherlands, Portugal, Qatar, Singapore, South Africa, South Korea, and the United States. These innovators have made contributions in a wide range of technical areas including accessibility, computational geometry, cryptography, computer security, computer science education, data structures, healthcare technologies, human-computer interaction, nanoscale computing, robotics, and software engineering--to name a few.

"Computing technology is becoming an increasingly dominant force in our daily lives and is transforming society at every level," explains ACM President Vicki L. Hanson. "In naming a new roster of Distinguished Members each year, ACM underscores that the innovations which improve our lives do not come about by accident, but rather are the result of the hard work, inspiration and creativity of leading professionals in the field. We honor the 2017 class of ACM Distinguished Members for the essential role their accomplishments play in how we live and work."

The ACM Distinguished Member program recognizes up to 10 percent of ACM worldwide membership based on professional experience as well as significant achievements in the computing field.

Read the news release.

COMPUTE 2017 Conference in Bhopal, India Explores Future of AI

by Program Chairs Lipika Dey and Shourya Roy

COMPUTE 2017 is the flagship conference of the ACM India Council. The theme of the conference was "Artificial Intelligence: Current Trends and Future Impact." Keynote speaker Y. Narahari, Chairman, Division of Electrical Sciences, IISc Bangalore, gave an excellent introduction to Game Theory and Mechanism Design leading to some interesting examples of the same with artificial intelligence. The talk was very insightful and engaging with strong participation from the audience.

Tutorials were organized on two contemporary topics: one on "Blockchain" by Rahul Ghosh of American Express Big Data Labs, and another on "Deep Learning" by Vinay P. Namboodiri of IIT Kanpur. Both tutorials had high degrees

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of participation from undergraduate students of Bhopal, conference registrants and faculty of Sagar Institute of Research and Technology (SIRT).
The COMPUTE 2017 conference program also included two workshops: "AI and Legal Aspects," which included presentations by Prabuddhha Ganguli of Tezpur University and K. Ghosh of IIT Kanpur; and "AI and Education," with presentations by Bikram Sengupta of IBM Research and Andrew Thangaraj of IIT Madras.

Applications for 6th Heidelberg Laureate Forum Due February 9, 2018

Young researchers in computer science and mathematics from all over the world can apply for one of 200 coveted spots to participate in the Heidelberg Laureate Forum (HLF), an annual networking event. The HLF offers all accepted young researchers the great opportunity to personally interact with the laureates of the most prestigious prizes in the fields of mathematics and computer science. For one week, the recipients of the Abel Prize, the ACM A.M. Turing Award, the ACM Prize in Computing, the Fields Medal, and the Nevanlinna Prize engage in a cross-generational scientific dialogue with young researchers in Heidelberg, Germany.
The 6th HLF will take place from September 23 to 28, 2018. The application period runs until **February 9, 2018**. Young researchers at all phases of their careers (undergraduate, graduate PhD or postdoc) are encouraged to complete and submit their applications by **February.**

IITPSA names 2017 IT Personality and Visionary CIO of the Year

Who's who of SA celebrates 60 years of SA ICT excellence at glittering awards night

The Institute of Information Technology Professionals South Africa (IITPSA) has named Entelect CEO Shashi Hansjee as the 2017 IT Personality of the Year and Sasol CIO Alec Joannou as the Visionary CIO of the Year at the gala IITPSA 60th anniversary banquet and President's Awards.

Titans of the industry gathered for the diamond awards banquet in Sandton last night to celebrate 60 years of South African ICT excellence and congratulate the winners of the prestigious IITPSA awards.

The IT Personality of the Year Award 2017, presented by the IITPSA in association with ITWeb, the Gordon Institute of Business Science and Gartner South Africa, recognises a person who has had an outstanding impact on the SA ICT industry over the past year. The accolade went to Shashi Hansjee, CEO of Entelect, who has helped drive significant growth in profit and the company's move to a Deloitte 'Best Company to Work For'.

In accepting his award, Hansjee said: "As Entelect we work with a lot of businesses, and it's hard not to be inspired by what we see in the South Africa ICT industry. We have people here tonight working in areas like better healthcare, education and financial literacy – these are things technology can do to really change our country. It's an exciting thing to be part of. IITPSA has created an ecosystem and an industry we should all be proud to be part of. This award is recognition for the amount of investment we have put into building skills and supporting the community, and it's a reminder that we have to keep on doing that."

The Visionary CIO Award is presented by IITPSA in association with ITWeb, the Gordon Institute of Business Science, and Gartner South Africa to an executive in the corporate IT environment who has demonstrated visionary leadership in applying technology to grow and transform business. The 2017

winner, Sasol CIO Alec Joannou, leads a team of 400 permanent staff and over 600 contractors serving over 30 000 users across four continents; as well as serving as a trusted advisor to a number of boards including Unilever, Sappi, Anglo American and Sasol.

Joannou thanked his team for their ongoing support and the judges for entrusting him with the role of Visionary CIO of the Year. "My commitment this year is to continue the work past winners have done. We have to elevate the role of the CIO – we have to become a lot more business oriented, becoming profit centres instead of cost centres. From a skills perspective, we have an opportunity for South Africa to participate in the 4th Industrial Revolution rather than just being disrupted by it. I hope to make a real positive difference in these areas this year."

In addition to the Visionary CIO and IT Personality of the Year Awards, the IITPSA, in partnership with EngineerIT, presented its Distinguished Service in ICT Award recognising a significant, career-length contribution to the ICT industry, to Prof. Pete Janse van Vuuren, Director of The Thinking Cap; and the Fellowship of the Institute Award to the chairman of the IITPSA Innovation Special Interest Group, Wayne Mallinson.

IITPSA President Ulandi Exner noted that the IITPSA, founded in 1957 as the Computer Society of South Africa, was the third-oldest computer society in the world and its IT Personality of the Year Awards has been running for 39 years.

"We have grown from about 7,000 members to around 9,000 in the past year – an indication that people are recognising that professionalism in this country, especially in ICT, is very important." She added that IITPSA reaches out to tens of thousands of children annually through its programmes, and had this year introduced a comprehensive bursary. In future, IITPSA aimed to step up its women in ICT programmes to close the 80-20 gap still evident in the industry, said Exner.

Thanking supporters and sponsors Altron and Huawei, Tony Parry, Executive Director and CEO of IITPSA, said that past winners, representatives of the Australian Computer Society, and long-standing IITPSA members including industry veteran Joan Joffe, who has been an IITPSA member since the late 1950's, were among the guests at the prestigious awards and anniversary celebrations.

Mteto Nyati, Group Chief Executive of platinum sponsor Altron and himself a former winner of the IT Personality of the Year award, highlighted the importance of choices in life. "We all make choices, but in the end the choices make us," he said. "This applies to individuals, companies and countries. Look at a country like Singapore, which in 1964 was at the same level as Ghana, and is now at number three in the world in terms of GDP – thanks to the choices it made. We all have a responsibility to make the tough choices and the right choices to take our country back to what it was meant to be. 60 years ago IITPSA was formed, now it grows year after year, and we as individuals and companies have to make the choices of how we support the institutions like this, which are so key to the development of this country."

Other finalists for the IT Personality of the Year Award 2017 were:

- **Annette Muller**, founder of on-demand workforce platform Flexy and DotNXT
- **Baratang Miya**, founder of GirlHype Coders Academy
- **Karen Nadasen**, CEO of PayU South Africa
- **Mixo Ngoveni**, founder of Geekulcha
- **Nico Steyn,** co-founder and CEO of IoT.nxt
- **Reshaad Sha**, CEO of SqwidNet.
- **Yvone Thobile Mabuza**, founder and managing member of Elangeni Consulting Services
- **Jaco Maass**, Senior Manager: ICT at BKB

Other finalists for the Visionary CIO Award award were:

- **Michèle Hall**, Nampak Management Services CIO
- **Peter Rix**, Barclays CTO & Head Infrastructure Services
- **Sello Mmakau**, Airports Company South Africa CIO
- **Mthoko Mncwabe**, SA Post Office Group CIO
- **Joe Phago**, National Treasury CIO
- **Shalin Naidoo**, Lenmed Health Group CIO
- **Mothusi Lukhele**, Sanlam Personal Finance CIO

IP3 News

International Professional Practice Partnership
Transforming IT Professional Practice

Computer Society Zimbabwe (CSZ) Summer School 2017

This event is held by CSZ annually during November. This year it attracted +-200 delegates, as well as several sponsors (Oracle), and was held at the Elephant Hills Resort Hotel in Victoria Falls.

Both Anthony Wong and Moira de Roche were keynote speakers. Moira's presentation "Developing ICT Professionals" explained what a professional is, how to develop and maintain professionalism, with a heavy emphasis on ethics.

Anthony delivered his presentation "AI: The Good and the Ugly", which was also very well received.

Thanks to IITPSA for sponsoring my travel, and ACS for sponsoring Anthony.
Apart from the excellent conference, there were some fun activities, most notable the "Flight of Angels", a helicopter flight over the Victoria Falls.

JCSE 2017 Skills Survey Launch

Moira was invited to keynote at this event. Her speech focused on Trust, Duty of Care, and the role of ICT Professionals. She explained the mission of IFIP IP3, and our focus on Partnering for Trust in Digital. The full text can be found here.

Internet Governance Forum 17 – 20 December 2017

IFIP IP3 secured a two-hour slot of Day 0 of the conference. We attracted a small, but engaged audience.

This was the first in a planned series of engagements. Next on the schedule is WSIS2018 in March, and finally WCC2018.

With a session entitled "Good Governance is a Professional Standard, which builds Trust and Cybersecurity in the entire digital ecosystem". Moira de Roche, Anthony Wong and Jill Slay presented as follows:

Opening	Explain agenda Introduce speakers IP3 Overview	Moira de Roche,
Governance as a Professional Standard	What makes a Professional? Governance as the "glue' that holds everything together Professional Standards	Moira de Roche
The Professionalisation of Cybersecurity	Challenges & key issues What if we don't? What's happening around the world? Framework for implementation	Dr Jill Slay
Trust and the IFIP Duty of Care for Everything Digital (iDOCED)	Trust as a multi-disciplinary concept, and its importance in the Digital world Why is a the Duty of Care so vital in the Fourth Industrial Revolution? The role of Ethicsethical dimensions of converging digital technologies in our digital ecosystem	Anthony Wong

We had a panel discussion at the end. Some delegates have already reached out to us to collaborate fur-

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ther. The presentation can be accessed here.

Dr Jill Slay is Director of Cyber Resilience Initiatives for the ACS and led development of the Cyber Security Professional framework. She is also Professor of Cyber Security at the Australian Centre for Cyber Security at UNSW Canberra. Her broad expertise in Cyber Security specialising in Digital Forensics., brought a very knowledgeable expertise to the session.

Cyber Security was a focus of the Internet Governance Forum, so we had additional opportunities to participate in sessions, and fly the IFIP IP3 flag on several occasions. Interest from other bodies.

Thanks to ACS for sponsoring travel for Anthony Wong, and Jill Slay. Thanks also go to Raymond Morel who worked tirelessly behind the scenes to secure our place on the programme.

IPSJ Accreditation

The IPSJ accreditation visit is scheduled for February. A team of three assessors will visit Japan, to do the final review of processes. IPSJ have provided excellent documentation, and must be applauded for their efforts in getting documents translated. The IP3 Board look forward to the outcome.

Stephen Ibaraki's activities

Dec: Top 5 Most Valuable Professional globally out of several hundred million involved in technology – those outside of Microsoft. This goes to Microsoft customer base of 1.5 billion and 124,000 employees. https://blogs.msdn.microsoft.com/mvpawardprogram/2017/12/08/friday-five-december-8th/

Stephen was invited as a VIP organizer and speaker host on the Wuzhen Summit World Internet Conference—AI Forum. He posted updates from the event on his LinkedIn page. The Summit was the most successful (ever) this year and considered the DAVOS of the internet bringing 1500 invited CEOs/leaders.

AI was the breakout theme of all the forums at the summit – the summit was primarily divided into a series of standing room only forums crowded with invitees as audience plus global press. AI predicted by PwC to add 16 Trillion USD to global GDP by 2030. [Please note I'm using AI for simplicity as a catchall for AI, ML, Robotics].

Stephen continues his sterling work with UN agencies, especially ITU. This piece does not do justice to his work, but time did not permit me to get additional information. He regularly posts updates on IFIP Insights so watch out for more exciting news.

Report on Disabled children and young people's uses and experiences of digital technologies for learning

Sue Cranmer has recently published a research report entitled: 'Disabled children and young people's uses and experiences of digital technologies for learning'. The report presents findings from a participatory, in-depth qualitative study to explore disabled children and young people's formal and informal learning practices carried out in the North West of England. Visually impaired children and young people were chosen as an illustrative case for the project and to overcome claims that treating disabled children as a homogenous group was misleading for understanding differences between disabled children. Interviews and observations in classrooms took place with seven disabled young people and nine teachers. The findings showed that children and young people are positive about digital technologies to support formal and informal learning. Digital literacy skills were considered to be well developed and enabled the young people to use digital technologies effectively and safely. Mobile devices such as tablets were found to be particularly useful both for learning generally and for accessibility to access the curriculum. Even so, using digital technologies could make young people feel self-conscious and stigmatised at times. Some subject teachers were more on-board than others in supporting disabled young people and this meant that there was sometimes a lack of inclusive pedagogical design which resulted in an extra workload for disabled children. Follow-up interviews carried out two-three years after initial data collection showed that changes were minimal despite the introduction of policy changes such as the introduction of Education, Health and Care (EHC) plans.

The report is available at: http://eprints.lancs.ac.uk/88991/4/Disabled_children_final_report_30.11.17.pdf

2nd International Conference on the Information Technologies in Disaster Risk Reduction - ITDRR 2017

2nd International Conference on the Information Technologies in Disaster Risk Reduction - ITDRR 2017 began its work in the Large Conference Hall of UNWE. At the opening of the Forum attended Prof. Dr. Dimitar Velev, Chairman of the Conference Organizing Committee and Director of the UNWE Scientific Research Center for Disaster Risk Reduction, Assoc. Prof. Dr. Venelin Boshnakov, UNWE Secretary General for Science, Alexander Dzhartov, Director of Critical Infrastructure, Prevention and Control Directorate to the Fire Safety and Civil Protection Directorate-General of the Ministry of Interior, Prof. Yuko Murayama, Vice President of the International Federation for Information Processing (IFIP) and Chairwoman of the IFIP Domain Committee of the Conference, Chief Assist. Dr. Georgy Penchev from the National and Regional Security Department, representatives of academic community from 12 countries – Japan, Republic of Korea, France, Italy, Indonesia, etc.

Prof. Dr. Dimitar Velev opened the Conference and presented the guests. He expressed his thankfulness to them for the participation in the event implemented under the auspices of IFIP for the second time.

On behalf of the Rector of UNWE Prof. D.Sc.(Econ.) Statty Stattev the participants were welcomed by Assoc. Prof. Dr. Venelin Boshnakov who defined the Conference as one of the most important and interesting events held at the UNWE. He outlined the actuality of the topic in the terms of more frequent disasters in a global scale and expressed hope that the Forum would become a tradition.

At the opening of the conference (from left to the right): Assoc. Prof. Dr. Venelin Boshnakov, Prof. Dr. Dimitar Velev and Prof. Yuko Murayama

Alexander Dzhartov (at the right)

On behalf of Nikolay Nikolov, Director of Fire Safety and Civil Protection Directorate-General of the Ministry of Interior the guests were greeted by Alexander Dzhartov. He pointed out that the climate changes would lead to more and more natural disasters and the information technology could help in the process of risk analysis and measurement as well as in the information processing.

Prof. Yuko Murayama expressed her contentment that the Forum had been organized for the second time. In a brief presentation she introduced to the guests the members of the IFIP Domain Committee of the Conference, objectives and tasks of the new platform and its role for creating a network of specialists in that field. She also made comment on better coordination and effectiveness of aid management in crisis situations.

As Director of the UNWE Scientific Research Center for Disaster Risk Reduction Prof. Dr. Dimitar Velev made a brief presentation about the Center and emphasized on the international members participating in its Consultative Board. He presented the objectives, tasks and activity of the Center in the field of wider use of information technology in disaster risk reduction.

On behalf of Prof. Dr. Dimitar Dimitrov, Dean of the Economics of Infrastructure Faculty, Director of the Center for Nuclear Security Support and Head of the National and Regional Security Department the participants were greeted by Chief Assist. Dr. Georgy Penchev. In his presentation on the Application of Infor-

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mation Technology in Education and Research of Nuclear Security he introduced to the guests the new Master`s Degree Programme in Nuclear Security implemented at the university on the base of the Agreement of Cooperation between the UNWE and International Atomic Energy Agency (IAEA) signed by the Rector of UNWE Prof. D.Sc.(Econ.) Statty Stattev and Yukiya Amano, Director-General of IAEA during his visit in Sofia in 2014.

Prof. Dr. JunSeok Hwang

Prof. Dr. JunSeok Hwang, Professor of Information Technology at the Seoul National University, Republic of Korea, delivered the first keynote speech on the Future Perspective of ICT Policy and Strategy for Disaster Risk reduction with Smart Disaster Safety System.

After double reviewing 18 reports of total 47 submitted ones were approved for participation and presentation in the Conference and the collection of them will be published in the Journal of Modern Information and Communication Technology printed by Springer Publishing Company. It is indexed in Scopus and other internationally recognized scientific data bases.

eLearning Africa 2018

13th International Conference on ICT for Development, Education and Skills

September 26 – 28, 2018
Kigali Convention Centre, Kigali, Rwanda
Organiser: ICWE GmbH, Leibnizstrasse 32, 10625 Berlin, Germany, www.icwe.net,
Hosted by the Rwandan Ministry of Education, the Rwandan Ministry of ICT and the Rwanda Convention Bureau Tel: +49 (0)30 310 18 18-0, Fax: +49 (0)30 324 98 33
Contact: Rebecca Stromeyer, info@elearning-africa.com, http://www.elearning-africa.com

eLearning Africa is the key networking event for ICT supported education, training and skills development in Africa. Bringing together high-level policy makers, decision makers and practitioners from education, business and government, **eLearning Africa** 2018 will take place from 26 - 28 September in Kigali, Rwanda. Serving as a pan-African platform, the eLearning Africa conference is a must for those who want to develop multinational and cross-industry contacts and partnerships, as well as enhance their knowledge, expertise and abilities. **eLearning Africa** has taken place in a different African country each year since its inception in 2015, and the conference languages are English and French. **eLearning Africa** attracts education professionals, investors and providers of education and training.

Logo Download: http://www.elearning-africa.com/media_logos_downloads.php
News Releases: http://www.elearning-africa.com/media_press_releases.php
News Portal: http://ela-newsportal.com/
Social media:
Facebook Group: https://www.facebook.com/groups/17387268602/
Facebook Page: https://www.facebook.com/pages/eLearning-Africa/410699252298030
Impression film: https://youtu.be/sY495V5L1Nw?list=PLQmzSBC8_31LMLnuioSVPe6cgOdm-9T2w
Twitter: #eLA18, https://twitter.com/eLAconference
LinkedIn: http://www.linkedin.com/groups?gid=2078853&trk=hb_side_g

11th International Symposium on Intelligent Distributed Computing

The 11th International Symposium on Intelligent Distributed Computing (IDC 2017) was held from 11 to 13 October 2017 in Belgrade, Serbia, at the School of Electrical Engineering. Faculty of Natural Sciences and Mathematics, University of Novi Sad and School of Electrical Engineering, University of Belgrade, organized together IDC 2017. Symposium was supported by IFIP, whose full member is the Informatics Association of Serbia (IAS).

The main objective of the IDC series of symposiums is to provide a platform for the dissemination of research accomplishments in the emerging field of Intelligent Distributed Computing, as well as to promote the collaboration between researchers from Intelligent Computing and Distributing Computing communities. Organised for the first time in Serbia, IDC 2017 followed the successful tradition of previous IDC symposiums by providing a suitable environment for researchers and attendees to report recent trends and results by highlighting benefits of intelligent computing techniques for distributed systems and vice-versa.

In the grand hall of the technical faculties of the University of Belgrade, prof. Dragana Bečejski-Vujaklija, Vice President of IAS had an opening speech in which she greeted all the participants and wished them a successful symposium on behalf of IFIP and IAS. The participants had an opportunity to see a short movie about the establishment and development of the Informatics Association of Serbia over the last 40 years of its existence.

Two papers received a **Best Paper Award**: *Spatially Structured Evolutionary Algorithms: Graph Degree, Population Size and Convergence Speed*, Carlos M. Fernandes, Juan L. J. Laredo, and Agostinho C. Rosa and *Context-Aware Access Control Model for Services Provided from Cloud Computing*, Ichiro Satoh. **Honourable Mention** was given a paper *Convolutional Neural Networks for Four-Class Motor Imagery Data Classification*, Tomas Uktveris and Vacius Jusas.

The conference was attended by 44 experts from 18 countries from Europe, Asia, Australia and America, including three invited lecturers. Conference details: **http://idc2017.pmf.uns.ac.rs**

ACS elects new President

Youngest president in more than two decades

ACS has announced Yohan Ramasundara as ACS President effective from 1 January 2018 for a two-year term.

At 39, Ramasundara is the youngest president to be elected at ACS for over two decades and is currently the Vice President overseeing ACS Community Boards. He was previously National Treasurer for five years from 2012 to 2016.

He is also the Secretary General of SEARCC – the Asia Pacific forum for professional ICT associations. Ramasundara is the Head of Governance for IP Australia recently returning home from a secondment as the Innovation Manager for International Operations in San Francisco with AusTrade.

In 2018-19, Ramasundara's leadership team includes Dr Nick Tate, Vice President overseeing the Profession Advisory Board; Dr Ian Oppermann, Vice President overseeing the Technical Advisory Board; Anthony Wong (Immediate Past President); Arnold Wong (National Treasurer); Andrew Johnson (CEO); and four branch representatives.

"As President, I will build on the platforms ACS has laid over the last 50 years," said Ramasundara.
"I look forward to collaborating across ACS and building our credibility as a trusted advisor to government, industry, academia and our members."

Current President, Anthony Wong, praised the election of Mr Ramasundara.
"I congratulate Yohan and look forward to working with him in the coming years," said Wong.
"Yohan brings exceptional leadership and knowledge of the ICT industry and digital economy, and resolute commitment to the ACS Presidency.

"In 2018, as the Immediate Past President, I look forward to working with Yohan to continue to bring ACS' vision and five-year strategy to fruition."

Ramasundara acknowledged the work of the outgoing president.
"As ACS President, Anthony has worked tirelessly for the past two years, bringing to the role his in-depth knowledge of the ICT industry and the organisation of which he has been a member since 2001.

"During Anthony's leadership, ACS' engagement with Government at a State/Territory and Federal level grew markedly during 2016 and 2017, building strong networks and advocating for ACS, its members and the ICT profession.

"I have been intimately involved in the development of ACS' new strategy and I am honoured to have been elected President for ACS to develop technology talent fostering innovation and creating new forms of value," said Ramasundara.

In his spare time, Ramasundara enjoys all things related to innovation and the start-up ecosystem. He has also served as a Cricket Australia umpire with an impressive record officiating at a national level over many years.

SEARCC Conference in Partnership with National IT Conference in Sri Lanka 2017
The ideas we saw at NITC 2017

On the 14th and 15th of September 2017, we saw the SEARCC Conference in Partnership with National IT Conference in Sri Lanka 2017 (35th National IT Conference in Sri Lanka) also known as NITC 2017 take place. Furthermore, this year it took place in partnership with the SEARCC Conference 2017. And this was in parallel to the IFIP (International Federation for Information Processing) General Assembly. These are the greatest lessons we learned at NITC 2017.

Saving the CIO

The first speaker of NITC 2017 was Dr. Nick Tate – President of SEARCC. He opened his keynote by sharing four key reasons as to why CIO's get fired. These reasons were: cybersecurity breaches, project disasters, availability failures and system collapse.

He then delved into the aspect of cybersecurity and shared the impact of a few data breaches such as the recent Equifax hack. He then went on to share the cost of failed IT projects, which was between $3 Trillion and $6.2 Trillion per year. As such, companies need to ensure they have skilled IT staff. Yet, this responsibility shouldn't fall completely on the shoulders of the CIO.

Effective IT and cybersecurity governance is crucial in order to succeed. Dr. Nick concluded his keynote by sharing a checklist that CIO's needed to follow to ensure success.

Who can you trust on the internet?

Another keynote speaker at NITC 2017 was Dr. Kai Rannenberg. Dr. Kai argued that too much information is shared when we log into websites today. He then proposed two solutions to this problem: partial identities and attribute based credentials.

Having explained the solutions, Dr. Kai then went on to share a few case studies conducted by ABC4Trust to ensure data privacy and anonymity. Dr. Kai concluded his session by sharing the requirements for a privacy-friendly internet. These requirements are decentralization, partial identities and identifiers, minimum disclosure, redactable signatures, and strong sovereign assurance tokens.

Building trust between humans and technology

Another keynote speaker we saw at NITC 2017 was Moira De Roche Holmes – Deputy Chairman and Director of IFIP IP3. She opened her session by sharing that technology has taken over almost every aspect of our lives and asked, "But can we trust all this technology?" Cyberattacks erode our trust in technology.

Moria stated that we need to improve trust between humans and technology saying, "If we don't trust technology, it will limit our economic growth." To build this trust technology needs to be safe, secure, reliable, and usable. This means governments need to push for legislature that supports data breaches and instruments to deal with cyber-attacks. The industry too has to play its part to work towards public interest. And as consumers we should be informed and demand more from service providers

The Internet of Medical Things (IoMT)

We also saw Dr. Dayan Rajapakse – Past President of CSSL at NITC 2017. He opened his keynote explaining what IoT is and why it's on the rise. This rise he says is due to broadband access and devices being cheaper, resulting in more devices being connected as smartphone penetration increases.

He then went on to share that the market for healthcare IoT devices is set to be worth $117 billion by 2020. Yet, this presents new challenges. With billions of devices being connected, how can we ensure security? Dr. Dayan also highlighted the privacy issues this will bring about. He then shared some examples of medical IoT devices. He concluded his keynote by sharing some of the challenges medical IoT devices face, which are: security, reliability, privacy issues, large data volumes, and laws to protect us.

The Future of Service Robots

We also saw Prof. Chandimal Jayawardena from SLIIT at NITC 2017. He opened his talk by introducing the concept of service robots, which refers to robots used to assist humans in performing certain jobs. Afterwards, he shared that this is where the world of robotics is moving towards. In 2015 alone, $5.4 billion

(Continued on page 17)

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was spent on personal and domestic robots.

However, the industry doesn't have any standards. As such, there are various different technologies used by robots. However, while research into the software components of robots has increased in the past decade. But we are yet to achieve standardization. After sharing the history of robotics, Prof. Chandimal shared examples of software architectures for robots and challenges consumers face. He concluded with the words, "Ultimately, what's required by a robot? Carry out tasks." And as the market shifts from industrial robots to service robots, we need new architectures and software frameworks.

An introduction to Green Software Engineering

Another speaker we saw was Dr. Anirban Basu – Past President of the Computer Society of India. His session shared with everyone the concept known as Green Software Engineering. This concept refers to looking at the environmental impact of software when building it.

Dr. Anirban argues that this is something that needs to be taken into account at each level of software development. This is because everyone with a smartphone contributes to global warming. But what are the challenges Green Software Engineering faces?

Dr. Anirban shared that some of the challenges faced is due to the lack of metrics to measure the environmental impact of software and tools to help developers write environmentally friendly code. He concluded by sharing some approaches and case studies that have been conducted to improve the energy efficiency of software.

These are but some of the lessons we learned at NITC 2017

The National IT Conference 2017, which was held in Sri Lanka was a massive conference. With over thousand individuals attending from various countries across the world, this conference organized by the Computer Society of Sri Lanka was a valuable learning experience for everyone.

Epihack Sri Lanka Concludes successfully

The first-ever Epihack Sri Lanka was conducted at Cinnamon Lakeside hotel. Epihack Sri Lanka was organised by Nanyang Technological University (NTU), Singapore, in collaboration with Colombo Municipal Council (CMC), University of Colombo Computer Society (UCSC), and the Computer Society of Sri Lanka (CSSL). The event is funded by Skoll Global Threats Fund (SGTF). The organising team from NTU, CMC, UCSC, and CSSL are led by Professor May Lwin and Dr. Ruwan Wijayamuni.

Epihack Colombo brought together 55 experts from 11 countries all over the world. The international collaborative effort spanned five days and facilitated an intensive environment to develop, integrate, and improve technological solutions in order to detect and reduce the impact of dengue fever in Colombo. This event required all participants to work together and create new solutions.

Epihack Sri Lanka's final objective was to develop a cutting edge participatory reporting tool with prevention strategies to battle dengue and bridge communication gaps in dengue control. This builds on the existing Mo-Buzz mobile platform used by the public health inspectors of Colombo. Government officials, health experts, and developers from Sri Lanka and the world have been collectively brainstorming and prototyping digital tools to prevent the spread of dengue. The final prototype will represent an exciting second-generation digital surveillance tool at the frontiers of technology-based global health solutions. The digital solutions created during Epihack will be open-source and accessible to all for non-commercial use. The organisers hope to empower other stakeholders to join the fight against infectious diseases around the world.

Current Executive Council Members re-elected for 2018 after a Historic Year of Performance at CSSL

Yasas V. Abeywickrama was re-elected as President of Computer Society of Sri Lanka (CSSL) on 5th of December at the AGM held at Taj Samudra Hotel for the year 2018. Along with Mr Abeywickrama, all council members from last year were also re-elected for another term. The CSSL is the professional association for IT professionals in Sri Lanka.

The re-election comes after an extremely successful year for CSSL. In 2017 the CSSL organized Sri Lanka's biggest ever international IT event in the history. The year 2017 will be marked as a historic year in the rich history of CSSL, as under Mr Abeywickrama's leadership the Global IT General Assembly was hosted in Sri Lanka with the presence of over 50 countries together with a host of other international events last September.

Also in 2017, to combat dengue problem, the CSSL partnered with Nantang University Singapore, Skoll Global, Colombo Municipal Council and University of Colombo School of Computing to develop a digital solution to manage the environment and all relevant aspects better. This project was fully foreign funded, international relations supporting CSSL being nationally impactful.

In 2017, to support new innovations and emerging IT professionals, the CSSL supported a hackathon event together with Garnes Labs. Australian Computer Society's Digital Assets platform was made available for CSSL members at a discounted rate. CSSL IT Mastermind was organized for the 6th year, while CSSL Tech Talks, CIO Forum and CSSL ICT Awards were also organized successfully enriching the IT sector. The organization has made major strides in making their degree accreditation process globally acceptable by entering into the process of becoming a signatory of the global standardization scheme, Seoul Accord.

At the AGM held this week, CSSL President while thanking his broad membership for re-electing him as well as his executive council once again, pledged that the executive council will expand its work in 2018. He stressed the importance of younger IT professionals joining the professional body and he will take lead in implementing strategies to achieve this. The CSSL will continue to take part in government and industry forums, representing and lobbying on behalf of their members. They will maintain their stance on ETCA that foreign professionals should only be allowed after checking on their quality and also after establishing local rules to safeguard the professionals in our sector. Strong international collaborations will be further maintained and enhanced.

The CSSL Executive Council elected for 2018 is as follow.

1. Mr. Yasas V. Abeywickrama - President
2. Mr. Prabath Wickremaratne - Vice President
3. Mr. Damith Hettihewa - Secretary
4. Dr. Ajantha Atukorale - Treasurer
5. Dr. Malitha Wijesundara - Assistant Secretary
6. Mr. Parakum Pathirana - Assistant Treasurer
7. Mr. Enosh Praveen- Publication Secretary
8. Dr. Samantha Thelijjagoda - Student Counselor
9. Dr. Dayan Rajapakse - Council Member
10. Mr. Heshan Karunaratne - Council Member
11. Mr. Buddhika Senasekara - Council Member
12. Mr. Sajith Sameera - Council Member

IFIP-Women

Computing is hidden everywhere from high-technology objects (plane, satellite) to the most common day life device (coffee pot, fridge). Mastering these various aspects donot require any qualitylacking to women and yet theyseem to be now (and more and more) excluded from it. Higher and higher is the risk of missing carrier opportunities in an expanding industrial andbusiness sector.

What are the reasons of this recent « divorce »between girls and computing and whatare the consequences of the lackof the women in this booming sector?

Several inquiries in the field of computing show that most of the companies regret the absence of feminine candidates while they try to increase mixing their teams. This phenomenon is directly connected to the female students' weak percentage. Nevertheless in the 80s, there was 20 % of girls in the computing programs.

With the advent of video games and other virtual networking, the IT specialist is indeed often considered as solitary and antisocial, spending “his” day (or night…) making repetitive tasks and programming. This supposes to ignore the panel of jobs and the wide variety of potential careers, appealing for multiple skills and among which less than 30 % implies programming.

Has the computing a sex? We would have been able to believe, at the beginning of80s, when the girls made a commitment in computing programs, that the computer activities would escape the sexist stereotypes. Woman-nature, man-technique: the old separation seems to resist new technologies. By investigating the reasons of girls disaffection with computing, leading organizations in research and education as IFIP have to wonder and understand why this important energy area is kept away from women career paths.

Awareness and education at every level are the keys to reversing the decline of women in computer science. There is a clear disconnect between the computer science industry and the message girls receive about their ability to succeed in tech organizations: educators, parents, employers and computer scientists can reverse the trend!

Prof. Dr. Florence Sedes

Slow Tech and ICT – a small book

Two individual IFIP members, **Norberto PATRIGNANI** and **Diane WHITEHOUSE** – motivated by the importance of corporate social responsibility – have written together a short book, published by Palgrave Macmillan. Its focus is on Slow Tech.

This little book places ICT in relationship with time, especially the long-term and the future. It provides a compass for multiple stakeholders – designers, producers, policy-makers and users – to consider the use of ICT over time.

The aim is to offer a companion piece for people aiming to build human-centred (good), sustainable (clean), and ethical (fair) ICT. The book appeals to readers working in the educational sector, professional organisations, and business, whether their interests are in ICT and usability, the environment, work or democracy.

URL: http://www.palgrave.com/la/book/9783319689432

WISE11

The 11th World Conference on Information Security Education
18th to 21st September, 2018
Hosted by IFIP TC11 WG 11.8 (Information Security Education)
At the 24th IFIP World Computer Congress
Poznan, Poland

The **IFIP Working Group 11.8 - Information Security Education** will hold the Eleventh World Conference on Information Security Education (WISE11) in order to advance the state of computer security and information assurance education throughout the world. To that end, we invite practitioners, researchers, policy makers, and others from academia, industry, and government to submit papers for presentation and topics for working group to WISE11. We will organize the conference around paper presentations and potential working group topics. All presentations and discussions will be in English.

WISE11 will be held in conjunction with the 24th IFIP World Computer Congress. See the WISE11 web site http://www.ifiptc11.org/wg118-events/wise11 for more information about WISE11 and the 24th World Computer Congress web site http://wcc2018.put.poznan.pl/ for more information about IFIP WCC2018.

The theme for WISE11 is "*Towards a Cybersecure Society*". We solicit submissions on all relevant topics including, but not limited to:

- Emerging Trends and Holistic Approaches in Information Security Education
- Cyber Ethics, Cyber Security Education and Training the Cyber warrior
- Education of Information Security Professionals
- Education in Computer Forensics and the Law
- Education in Security-Related Data Mining
- Education in Secure Wireless Communications
- Education in Critical Information Infrastructure Security
- Penetration Testing Education
- Education in Secure e-Banking and e-Commerce
- Education in the Internet of Things Security
- Education in Financial and Economic Security
- New Programs in Security and Privacy Education
- Experimental Information Security Education and Training
- Information Security Curricula Guidelines
- Evaluation of Security Programs
- International Standards of Security Education and Assessment
- Security Certification Programs
- Professional Competencies in Security
- Informing Citizens in Information Security and Programs to Raise Information Security Awareness
- Information Security Education in Non-Academic Contexts
- Information Security Laboratories
- E-Learning for the Listed Areas of Security Education

The conference will feature general paper sessions and a working group session.

Paper submissions should follow the guidelines for full paper submission using the template that can be found at http://www.ifiptc11.org/wg118-events/wise11#authors-guideline. Papers are to be submitted through EasyChair at https://easychair.org/conferences/?conf=wise110 . The submissions for WISE11 will be reviewed separately from the WCC24. Accepted papers will be published in the WISE11 conference proceedings. Papers must be original work, not previously published, written in English, and up to 12 pages long. All submissions will be reviewed double blind and must be submitted in a blinded version (author and institution information removed). Submission instructions are available on the conference website. Acceptance will be based upon originality, contribution to the field, and relevance to the conference. The conference proceedings will be published under the *IFIP Advances in Information and Communication Technology Series* by Springer (with ISBN and indexed in Scopus) and distributed at the conference.

Submissions for working group topics should describe in no more than 500 words the topic of the working group, its relevance to IFIP TC11 WG11.8, the goals to be achieved during WISE, and the plans for continued collaboration after WISE.

Deadline for submission of full papers and working group abstracts	April, 27 2018
Notification of authors and Programme Published	June 22, 2018
Delivery of Camera-ready papers by authors	July 6, 2018

WISE11 conference chair:	Lynn Futcher
WISE11 program chairs:	Louise Yngstrom, Lynette Drevin
WISE11 publications chair:	Marianthi Theocharidou
WISE11 local/logistics chair:	Natalia Miloslavskaya
WISE11 web chair:	Erik Moore

China-EU Center for Information & Communication Technologies in Agriculture Hosted International Conference on Intelligent Agriculture

13-15 August 2017, International Conference on Intelligent Agriculture (ICIA) was co-sponsored by Agricultural University (CAU), National Engineering Research Center for Information Technology in Agriculture (NERCITA) and National Engineering Research Center of Intelligent Equipment for Agriculture (NERCIEA), which was supported by Jilin University and Jilin Agricultural University. The conference was supported by Branch of Agricultural Information Processing, International Federation for Information Processing, Ministry of Science and Technology, Ministry of Agriculture, Jilin Provincial Department of Science and Technology, Changchun Municipal Government and Beijing Association for Science and Technology. ICIA includes The 9th International Symposium on Intelligent Information Technology in Agriculture (9th ISIITA) and The 11th International Conference on Computer and Computing Technologies in Agriculture (11thCCTA). On 13 August, the opening ceremony of the conference was held in Changchun Modern Agricultural Park. Director of CICTA, editor-in-chief of information processing in agriculture and Chair of WG5.14, IFIP TC5 China-EU Center for Information & Communication Technologies in Agriculture(CICTA) Prof. Li Daoliang and Director of NERCITA Prof. Zhao Chunjiang presided over the opening ceremony. Mr. Laurent Bochereau, Minister Counselor, Delegation of the European Union to China gave the opening address. Mr.GaoHua, President of Beijing Academy of Agriculture and Forestry Sciences, Mr.Wang Lifeng, Vice President of Jilin University, Mr.Zhang Yuejie, Vice President of Jilin Agricultural University made the welcome speech respectively . Ren Luquan Academician of Jilin University attended the opening ceremony. Wang Maohua, Academician of CAU, Sun Jiulin, Academician of the Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences(CAS), Zhou Chenghu, Academician of Institute of Geographic Sciences and Natural Resources Research，CAS and Tang Huajun, Chinese Academy of Agricultural Sciences participated in the conference and made presentations .

More than three hundred and fifty experts and scholars from China, America, Canada, Germany, the United Kingdom, Spain, Italy, Egypt, Australia, Belgium, Pakistan, Japan and Korea attended the conference. The experts had an in-depth discussion on Internet of Things and Big Data in Agriculture, Precision Agriculture and Agricultural Robot, Agricultural Information Services and Animal and Plant Phenotyping for Agriculture. There were twenty-seven invited keynote speech and thirty-one presentations from the difference sessions.

On 15 August, participants visited Changchun International Agricultural Products Exposition, includes Fish Pavilion, World Leisure Folk Garden, Creative Agriculture Park and City Agricultural Park under the guidance of the workers.

This conference is a gathering of experts and scholars from the global intelligent agriculture field. The newest theories, viewpoints, technologies, products and applications were extensively exchanged. Practical experiences of innovation and applications in intelligent agriculture were shared among experts from different countries.

Want to know more about women in health informatics?

In tribute to the career of Professor Jana ZVAROVA of the Czech Republic (associated for much of her working life with associations such as IMIA and EFMI), a special issue of the International Journal of Biomedicine and Healthcare has been produced that provides insights into the work of 15 well-known women in the field of bio-informatics / health informatics. Its co-editors are Pirkko Nykanen and Diane Whitehouse (chair of IFIP's ICT and Society technical committee).

Most of the autobiographical articles offer a view into developments of health informatics over the past four decades in different countries in Europe, including eastern Europe, but also Israel and the USA. They also provide future insights into where health informatics, covering challenges like drones, artificial intelligence/machine learning as well as data analytics. They often assess how people, patients and professionals in the healthcare field will be involved in such developments and deliberations.

http://www.ijbh.org/ijbh2017-2.pdf

DAIS 2018

18th IFIP International Conference on Distributed Applications and Interoperable Systems

Part of DisCoTec 2018: 13th International Federated Conference on Distributed Computing Techniques
June 18 - 21 2018, Madrid, Spain
http://2018.discotec.org

The DAIS conference series addresses all practical and conceptual aspects of distributed applications, including their design, modeling, implementation and operation, the supporting middleware, appropriate software engineering methodologies and tools, as well as experimental studies and practice reports. Submissions will be judged on their originality, significance, clarity, relevance, and technical correctness.

Important dates:
February 2, 2018 (AOE): abstracts deadline
February 9, 2018 (AOE): papers deadline
March 30, 2018: notifications
June 18-20, 2018: conference in Madrid

Program committee chairs
Silvia Bonomi, University of Rome "La Sapienza", Italy
Etienne Rivière, Université catholique de Louvain, Belgium

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

The 8th International Precision Assembly Seminar 2018 http://www.ipas-seminar.com/	**IPAS 2018**	**14/01-16/01 2018 Chamonix, FR**	**IFIP /CIRP**
Wireless On-demand Network systems and Services http://2018.wons-conference.org/	**WONS 2018**	**06/02-08/02 2018 Isola 2000, FR**	**IFIP WG6.3 / IFIP TC6**
SmartER Europe - Smart Energy Research at the crossroads of Engineering, Economics and Computer Science http://www.smarter-europe.net	**SmartER Europe**	**08/02-08/02 2018 Essen, DE**	**E-world energy & water. Essen**
21st Conference on Innovation in Clouds, Internet and Networks http://www.icin-conference.org/	**ICIN 2018**	**20/02-22/02 2018 Paris, FR**	**IFIP WG6.2 / IFIP TC6**
Interoperability of enterprise systems and aplli-cations http://www.i-esa.org	**I-ESA**	**19/03-23/03 2018 Berlin, DE**	**IFIP WG5.8 / IFIP TC5**
10th Wireless Days Conference http://www.wireless-days.com	**WD**	**03/04-05/04 2018 Dubai, AE**	**IEEE, IEEE ComSoc technically sponsorship, IFIP**
Quality-aware DevOps https://qudos2017.fortiss.org/	**QUDOS**	**08/04-08/04 2018 Berlin, DE**	**IFIP**
14th International Workshop on Coalgebraic Methods in Computer Science http://www.coalg.org/cmcs18	**CMCS 2018**	**14/04-15/04 2018 Thessaloniki, GR**	**IFIP WG1.3 / IFIP TC1**
Doctoral Conference on Computing, Electrical and Industrial Systems http://sites.uninova.pt/doceis	**DoCEIS`18**	**02/05-04/05 2018 Caparica (Lisbon), PT**	**SOCOLNET - Society of Collaborative Networks / IFIP WG5.5 / IEEE-IES**
International Conference on Computer Intelligence and Its Applications http://ciia2018.encs.concordia.ca/	**CIIA**	**06/05-08/05 2018 Oran, DZ**	**IFIP TC5**
The 16th International Symposium on Modeling and Optimization in Mobile, Ad Hoc and Wireless Networks http://www.wi-opt.org/	**WiOpt 2018**	**07/05-11/05 2018 Shanghai, CN**	**IEEE Control Systems society, IEEE Information Theory Society, IFIP**
IFIP Networking 2018 http://networking.ifip.org/2018/	**Networking 2018**	**14/05-16/05 2018 Zürich, CH**	**IFIP TC6**
14th Artificial Intelligence Applications and Innovations 2018 https://conferences.cwa.gr/aiai2018/	**AIAI 2018**	**25/05-27/05 2018 Rhodes, GR**	**IFIP WG 12.5 / Democritus University of Thrace, Greece**
International Conference on Open Source Systems http://oss2018.org	**OSS 2018**	**08/06-10/06 2018 Athens, GR**	**GFOSS – Open Technologies Alliance**
16th IFAC Symposium on Information Control Problems in Manufacturing http://www.incom2018.org/	**INCOM2018**	**11/06-13/06 2018 Bergamo, IT**	**IFAC / IFIP / IFORS / GDR MACS CNRS (France), AIDI (Italy)**

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

The Dewald Roode Workshop on Information Systems Security Research, IFIP WG8.11/WG11.13 http://ifip.byu.edu/	**IFIP WG8.11/WG11.13**	**14/06-15/06 2018 Cape Town, ZA**	**IFIP WG8.11 / IFIP TC8**
International Federated Conference on Distributed Computing Techniques http://2018.discotec.org/	**DISCOTEC**	**18/06-21/06 2018 Madrid, ES**	**IFIP WG6.1 / IFIP TC6**
IFIP Working Geroup 9.4 European Regional Conference on the Soxcial Implications of Computers in Developing Coutnries http://www.ifipwg94.org	**IFIP WG9.4 Euro 2018**	**22/06-24/06 2018 Tirana, AL**	**IFIP WG9.4 / IFIP TC9**
Empowering Learners for Life in the Digital Age http://occe.2018.ocg.at/	**OCCE 2018**	**25/06-28/06 2018 Linz, AT**	**IFIP TC3**
Smart working, living and Organising http://ecis2018.eu	**SWLO**	**25/06-25/06 2018 Portsmouth, GB**	**IFIP WG8.6 / IFIP TC8**
ICNPAA 2018 Congress:Mathematical Problems in Engineering, Aerospace and Sciences http://icnpaa.com	**ICNPAA 2018**	**03/07-06/07 2018 Yerevan, AM**	**IFIP tconly / IFIP TC7**
the 18th International Conference on Informatics and Semiotics in Organisations http://orgsem.org/2018/	**ICISO 2018**	**16/07-18/07 2018 Reading, GB**	**IFIP WG8.1 / IFIP TC8**
IFIP TC 7 Conference on System Modelling and Optimization https://udue.de/ifip2018	**IFIP2018**	**23/07-27/07 2018 Essen, DE**	**IFIP tconly / IFIP TC7**
IFIP 9.4 Masters and Doctoral Symposium for Sub-Saharan (Southern and Eastern) http://WG94MDS	**WG9.4 MDS**	**22/08-22/08 2018 Tshwane (Pretoria), ZA**	**IFIP WG9.4 / IFIP TC9**
31st Symposium on Integrated Circuits and Systems Design http://wp.ufpel.edu.br/chipinthepampa2018/	**SBCCI**	**27/08-31/08 2018 Bento Gonçalves, BR**	**IFIP, IEEE, ACM, Sociedade Brasileira de Computação (SBC), Sociedade Brasileira de Microeletrônica (SBMicro)**
IFIP Wireless and Mobile Networking Conference http://wmnc.vsb.cz/	**WMNC2018**	**03/09-05/09 2018 Prague, CZ**	**IFIP / VŠB – Technical University of Ostrava**

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