First IFIP 60 Jubilee book available

The first of two planned jubilee books at the occasion of IFIP’s 60th anniversary is now available, free to download via [https://ifip.org/aict555/](https://ifip.org/aict555/).

The title ‘Unimagined Futures: ICT opportunities and challenges’ reflects the fact there were many futures in the past that happened without our having envisaged them, and there are multiple futures that we now speculate about. Often the way things turned out exceeded our wildest imaginings and we can be sure that this will be no different for things to come.

For this book IFIP invited experts in different aspects of the contemporary ICT scene to contribute essays from their specialist areas. While addressing the contemporary challenges facing the ICT community today, the book provides the opportunity to look back to help understand the contemporary scene and identify appropriate future responses to them. As such, the book aims to contribute to the ICT community worldwide, as well as IFIP and its member societies, on setting their policy priorities and agendas for the coming decade. We hope to provoke discussion about appropriate responses to the challenges by individuals as well as by national and international bodies including IFIP.

Many topics would have deserved a chapter in the book but for practical reasons the editors decided to finalize the book with a rich collection of topics divided in 17 chapters by 23 authors.

The theme "Unimagined futures" has been chosen as the overall theme for the jubilee activities that are (being) planned for 2021.
The IFIP TC3 World Conference on Computers in Education (WCCE 2022)
Hiroshima, Japan, August 20th to 24th, 2022

The IFIP TC3 World Conference on Computers in Education (WCCE 2022) is the latest four-yearly conference of IFIP’s Technical Committee on Education (TC3), which will be held in Hiroshima, Japan as a hybrid event (with both face-to-face and online participation) from August 20th to 24th, 2022.

The overall focus of the IFIP TC3 WCCE 2022 conference will be “Towards a collaborative society through creative learning”. As the world is increasingly interconnected and complex, the need for more critical and creative thinkers as well as for people able to fruitfully collaborate with others is increasing. Creative strategies must be implemented in education so that citizens, in general, and students at all levels, in particular, are better prepared to create new and meaningful forms of ideas, take risks, be flexible and cooperative.

IFIP TC3 WCCE 2022 will enable researchers, policy makers and practitioners to take an active role and be involved in discussions to consider concerns and approaches for the future of technology for empowering teaching, training and professional development with ICT and in Computer Science. You will be able to discuss key issues, such as the importance of ensuring digital equity and access, and how we can achieve this for communities widely, or demonstrate and illustrate examples of global and mobile opportunities, used for educational purposes in developed and developing countries.

Details are available on the website - please revisit to check updates and additions.

Hiroshima is an ideal location for IFIP TC3 WCCE 2022. It can be easily reached from the primary international airports and has a great deal to offer its national and international guests. It has two UNESCO World Heritage Sites: the Hiroshima Peace Memorial (Genbaku Dome) and the Itsukushima Shinto Shrine.

Hiroshima has an important education motto that welcomes international engagement: ‘Pupils or students take pride in studying in Hiroshima. Be proud and talk about “Hiroshima” and “Japan.” Work with people all over the world with high aspirations and create new value or innovation’. Of particular pertinence to our IFIP TC3 WCCE 2022 focus, they use digital equipment to attain their goals!

So please contribute to and attend the IFIP TC3 WCCE 2022 conference next year.
Follow ITPE events and activities in 2021

IT professionalism Europe (ITPE) is a network of stakeholders that promotes IT professionalism in context of the wider digital transformation in Europe. Last year, we launched the first online IT Professionalism Conference, where European Commission representatives and private/public sector officials discussed the next steps for advancing digital skills. We also presented the ‘e-CF Explorer’ - a tool for navigating the various dimensions of the European e-Competence Framework (e-CF). This year we will return with a new range of themes and speakers for the next conference due to take place in spring – the final date will be released soon.

Other key events will include ITPE’s Professionals Ethics group, which focuses on how IT professional ethical practices are being implemented in response to developing technologies and/or proactive measures in companies. At the previous ethics meeting, we were delighted to welcome IP3’s Moira de Roche to attend as a speaker on the new ethical code.

Stay tuned for more updates on our activities on www.itprofessionalism.org and on Twitter/LinkedIn. Join ITPE for free here.

IITPSA has IP3 accreditation renewed; set to align Code of Conduct with IFIP Code of Ethics

The Institute of Information Technology Professionals South Africa (IITPSA) has achieved the renewal of its International Federation for Information Processing (IFIP) IP3 accreditation for a further five years.

IFIP’s International Professional Practice Partnership (IP3) is a platform to help shape and implement policies to foster professionalism in the global ICT sector.

Moira de Roche, Independent Consultant, IITPSA non-executive director and Social & Ethics Committee Chair, Chair of IFIP IP3, and IFIP Board Director, says the IITPSA completed the process of renewing the accreditation of its professional recognition schemes with flying colours. The IP3 Board approved the recommendation of the Standards and Accreditation Council early in December to extend the accreditation for a further five years unconditionally.

The evaluation process was the first to accredit a SFIA Level 7 designation, recognising the role of Professional CIO (Pr.CIO™). This designation, a world first at this level, recognises the crucial role played by CIOs in setting and implementing the strategy for enterprises, addressing the needs of the business, the appropriate technology, and the provision of skilled resources to support the integration of technology into the business. This certified designation is specifically aimed at senior practitioners in a CIO (or equivalent) role and was motivated at the request of the CIO Council in South Africa. The Professional Member (PMIITPSA) designation remains appropriate for all other senior practitioners at SFIA Level 5 and above.

Update to ethics code

De Roche notes that the IITPSA Social and Ethics Committee is now set to review the IITPSA’s Code of Conduct to align it with the new IFIP Global Code of Ethics and Professional Conduct for the ICT Sector, which is designed as ‘global conscience of the profession’ to serve as the foundation for codes of ethics across digital disciplines and technologies.

“The IITPSA has always had a solid Code of Conduct, however the Social and Ethics Committee has decided to consider updates to the Code using the new IFIP Code as a starting point,” she says. “It is good practice to ensure that Codes of Conduct and Ethics are updated to make sure that ethics and professionalism are embedded throughout every facet of ICT and there are no loopholes.”

De Roche says: “There are now over 180 codes of ethics around the world in the ICT sector alone, and people tend to create their own codes or pick one that suits them. The IFIP Code is a foundation for ethical decision making and an exemplar everyone can align with and add to, to ensure that every system, technology, and process and related-decision making in the sector is considered through an ethical lens.”
IFIP & IP3 at WSIS

1. IFIP is once again a Supporting partner, which allows us a Virtual Exhibition. To view the Virtual Exhibition, you will need to sign up for IMEETYOUATWSIS https://wsisforum2021.pathable.co/?openNativeApp=true, then click on Exhibitions and scroll until you find IFIP.

2. IFIP participated in the High-Level Policy Session 10, Ethical Dimensions of Information and Knowledge Societies, on Friday, 26 March 2021. Moira de Roche represented IFIP at the Session. The questions we submitted, and answers provided:

   What is IFIPs view on Ethics as a governance issue – corporate and governmental?

   Ethics is a governance issue in any organization. We talk about the “tone from the top” – Leadership must set the ethical standards. In South African Company law, based on KING IV, organizations are mandated to have a board Social & Ethics Committee for oversight of Ethical Issues. Decision making in included in leadership training; this must be expanded to include ethical decision-making. Leadership is part of both the ethics problem and the solution, because of their influence and power over people and processes.

   It’s worth remembering that business is built on Trust, which goes hand in hand with Ethics. “Good governance never depends upon laws, but upon the personal qualities of those who govern.”- Frank Herbert (Science Fiction author).

   The Information Society, and particularly IT Professionals and vendor organisations have been talking about Ethics for some time. What actions can be taken to ensure that Ethical decision-making is embedded in the organisation’s culture, whether it is a public, private, or government organisation?

   IT Organizations – whether a vendor or IT department in business or government – need a Code of Ethics that everyone understands. This will guide leadership and employees when there is a dilemma between company and individual interests. Everyone must learn about the Code, and how it is used for ethical decision-making. To properly embed ethics into an organization’s culture, or I like to call it their DNA, ongoing refresher and remedial training to remind employees of the principles and the process for ethical decision-making is essential. Remember the goal is to change habits, and this cannot be done if an individual attends a course once. Everyone in the organization must be taught how to recognise when they have an ethical quandary.

   Discussions amongst employees about whether a decision is ethical or not should be encouraged. Some member societies have an Ethics exam which professional grade members must pass. It does not guarantee ethical decision making, but at least gets the individual thinking about it.

   Ethics must not be a “read and sign” activity as it is in many organizations. Often it is aligned to disciplinary processes, but when it gets this far, the Ethics failure is already history – reactive, not proactive.

   Together with the recently launched IFIP Code of Ethics, which we believe should be a benchmark or exemplar for all Codes of Ethics, we have a CARE process, which is a step process for deciding whether something is ethical. Clearly, one cannot always consult the Code, and then the process, every time a decision is made. Therefore, it must become second nature, especially when developing IT products. As with other Professions, we must consider “Who could be harmed” by this technology or digital product. There is a need for a conscience in the ICT profession. This is already intuitively understood by practitioners and the “man on the street,” but it needs to be acknowledged and voiced at every opportunity. Conscience speaks to everyone’s unspoken uneasiness.

   (Continued on page 5)
(In the) COMEST report to UNESCO, “Finally, engineers and software developers should be appropriately trained to ensure responsible design and implementation of AI.” IFIP could not agree more, although we believe that the same issues face those who produce systems and digital products, irrespective of the technology used.

How can IFIP help? IFIP IP3 are ready to assist UNESCO and all the UN bodies to ensure ethical training. We have published the IFIP Code of Ethics, which we believe should be the standard and starting point for all ICT Codes. We can help any organization with the change process required to embed Ethics into the culture and to make sure that all ethics knowledge can be applied on the job and “on the fly”, because we can’t stop everything and say, “Wait, is this ethical?”. We can’t just hope for the best. Recent examples of major ethics failures such as Boeing Max and Volkswagen Dieselgate come to mind, but there are many more. Call IFIP IP3 – we’d be pleased to go on the Ethical journey with you..

Thanks go to Leon Strous & IP3 board members for contributing to the answers.

3. **IP3 Thematic Workshop - Building Cyber Resilience with a Professional workforce**

Tuesday, 13 April 2021 at 13:00-14:00 CEST

*How to Protect infrastructure, privacy, consumers and facilitate global skills transfer.*

Cyber-Security track at WSIS

The UN Secretary-General in his Jun 2020 Digital Cooperation Roadmap: Secretary-General’s Roadmap for Digital Cooperation (un.org) articulates the importance of many facets on digital cooperation including on:

- Digital Capacity-Building
- Digital Trust And Security
- Artificial Intelligence

This workshop will highlight activities in different regions to build capacity in Digital Trust & Security for cyber-resilience in a world that went digital almost overnight. We will explore how Skills Frameworks, Bodies of Knowledge, and Quality Assurance are developing to build capacity in Cyber-Security, creating a resilient professional workforce.

The session will be chaired by Moira de Roche, Chair IFIP IP3.

**Speakers**

<table>
<thead>
<tr>
<th>Speaker Name</th>
<th>Country</th>
<th>Topic</th>
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<tbody>
<tr>
<td>Steve Furnell</td>
<td>UK</td>
<td>Building a Professional Cyber Security Workforce: Recognising Knowledge, Experience and Competence.</td>
</tr>
<tr>
<td>Fred van Noord, ENISA</td>
<td>Netherlands</td>
<td>The realisation of Cyber Security education in the Netherlands that based on job profiles in the European e-competence framework e-CF</td>
</tr>
<tr>
<td>Anthony Wong</td>
<td>Australia</td>
<td>How to Protect infrastructure, privacy, consumers and facilitate global skills transfer</td>
</tr>
<tr>
<td>Robert Weisman Engineer in Residence &amp; Professor, University of Ottawa</td>
<td>Canada</td>
<td>The criticality of enterprise and system architectures, especially with the internet of things, to cyber-resilience</td>
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Registration Link for participants [https://itu.zoom.us/webinar/register/WN_T8z4EvxyTaOQnCHeUzrf3g](https://itu.zoom.us/webinar/register/WN_T8z4EvxyTaOQnCHeUzrf3g)
IFIP Technical Committee 3 (TC3) agreed in its Annual General Meeting in April 2019, held in Zanzibar, Tanzania, to initiate a declaration on ‘Sustainable Education in a Digital Age of rapidly Emerging Technologies’. This ‘Zanzibar Declaration’ (ZD) focuses on future educational challenges that arise from rapidly emerging technologies impacting societies and communities (background details are shown on the website).

In taking forward the Zanzibar Declaration, IFIP TC3 is running four webinars on more specific topics that will provide a deeper understanding of the challenges and issues that practitioners, policy makers and researchers face in developing ‘Sustainable Education in a Digital Age of rapidly Emerging Technologies’, and will lead to a follow-on conference.

Webinar 1, on the topic “Social Impacts of Big Data Analysis and Machine Learning – Educational Implications”, was attended by over 60 participants. Two co-moderators (Johannes Magenheim and Mary Webb) introduced and took comments arising from presentations of the 5 panellists (from Australia, France, India, and Turkey) – Radhika Misquitta, Gateway School of Mumbai, India; Anne Laurent, University of Montpellier, France; Gurumurthy Kasinathan, Director of IT for Change, India; Gülgün Kayakutlu, Istanbul Technical University, Turkey; and Andrew Fluck, University of Tasmania, Australia. The panellists discussed the topic from different perspectives, and from their respective cultural and working contexts.

Webinar 1 was recorded, and can be viewed online.

The next event in the series, Webinar 2, explores ‘Impact of Computer Networks and Communication on the Economic and Ecological Transformations of Society - Educational Implications’. This will run on 26th April 2021, 14:00-15:30 GMT. For further details and free registration, please visit the website.
Invitation to the IFIP TC3 OCCE 2021 Conference - August 17-20, 2021

We invite you to participate and submit your work to the IFIP TC3 Conference OCCE 2021 DTEL, “Digital Transformation of Education and Learning - Past, Present and Future”. The conference will reflect on the continuous development and future outlook of ICT and education. It also celebrates five decades of the IFIP TC3 Working Group (WG) 3.4 for Professional, Higher and Vocational Education in ICT. You will find the Call for Papers at:

https://occe2021.fi/

IFIP TC3 OCCE 2021 DTEL is planned as a hybrid conference, taking place in Tampere, Finland, and virtually through a zoom-type platform on August 17-20, 2021.

The Conference aims at providing an international forum where a community of professionals from academia, industry, and educational and public sectors come together to share research findings and practical experiences. We particularly wish to encourage participation from middle- and low-income countries, and any funds available to support online participation will be detailed on our website.

The first keynote speaker has been announced - Associate Professor Mikko-Jussi Laakso - who is the director of the Centre for Learning Analytics at the University of Turku, Finland. He will present case examples of successful utilisation of learning analytics from different education levels, such as the digital learning path in mathematics education, which emphasises active learning and gamification. His research focuses on principles of developing a research-based and data-driven teaching and learning ecosystem at large scale.

We look forward to welcoming and meeting you online or onsite at the campus of Tampere University in August 2021!

Conference co-chairs: Prof. Mikko Ruohonen and Dr. Jaana Holvikivi

Important dates:
Paper submission: April 12, 2021
Acceptance notification: May 31, 2021
Conference: August 17-20, 2021

From Curriculum to Competencies and Skills
February 2021-Raymond Morel (IFIP TC3 and Social-IN3)

After decades of curricula in static system (in fact it was mainly to control the system and the teachers after the generalized access to education AND to have an easy possibility to update the curriculum with new terminologies in absence of real practice), education liberates itself and returns in pedagogy with questioning competencies and skills with appearing dynamic systems.

Instead of an abstract catalog of topics, concepts and facts often without evident link with student reality, it is necessary to do a pedagogical effort to allow using them. With a view of a list of competencies to enlarge, the opportunity to enter in a practical way into understanding activating experiments to reach the goals of learning (not only speaking about it but make it practical and active).

Kishor Trivedi, Long-Time Member of IFIP WG 10.4 Wins IEEE Reliability Society Lifetime Achievement Award

Kishor Trivedi, the Hudson Distinguished Professor of Electrical and Computer Engineering at Duke University, has been the recipient of the Institute of Electrical and Electronics Engineers (IEEE) Reliability Society’s Lifetime Achievement Award. One of the highest recognitions that a society of the IEEE can bestow, the award was bestowed to Trivedi in recognition of his “sustained contributions to the methods, tools and education in the reliability assessment of hardware-software systems.”

For the past 45 years, Trivedi has been a fixture at Duke, first in the computer science department before moving to the electrical and computer engineering department in 1991. Asked to teach a course on Probability for Computer Science and Engineering when he first arrived on campus, he soon discovered that no textbook for the subject existed. So he wrote his own.

*Probability and Statistics with Reliability, Queuing and Computer Science Applications* was published in 1982, followed by a full and complete revision in 2002 and a comprehensive manual containing 300 problem solutions soon after. That textbook tackled a large swath of territory on a fairly basic level; its revision remains widely used today.


In further evidence of the lasting importance of Trivedi’s contributions, he was recently given a Test of Time Award at the 2020 IEEE/IFIP International Conference on Dependable Systems and Networks for research carefully classifying different types of software faults in JPL/NASA missions. These finding have led to a significant amount of research and a novel way to develop fault-tolerant software based on what is now known as environmental diversity as opposed to the traditional design diversity. Two of his papers were also recently recognized as some of the most influential work in the past 30 years of the International Symposium on Software Reliability Engineering (ISSRE): “Analysis of software rejuvenation using Markov Regenerative Stochastic Petri Net,” 1995, and “A methodology for detection and estimation of software aging,” 1998.

Trivedi is a Life Fellow of the IEEE, a Golden Core Member of the IEEE Computer Society, and a member of the IFIP WG 10.4. He is the recipient of IEEE Computer Society’s Technical Achievement Award for his research on software aging and rejuvenation. He was recently specially appointed a professor at Hiroshima University, where he is working with colleagues on uncertainty propagation through dependability models.

At the IEEE Reliability Society’s Annual Reliability, Availability and Maintainability Symposium (RAMS) 2021, Besides the Lifetime Achievement Award, Trivedi will receive the Alan O. Plait Award for Tutorial Excellence for his tutorial presented at RAMS 2020. A special one-day Workshop will also be held in Trivedi’s honor at RAMS 2021.
IFIP TC13 Pioneer in Human - Computer Interaction Awards
2020/2021

The International Federation for Information Processing Technical Committee on Human–Computer Interaction (IFIP TC13) has the honour to announce the 2020/2021 winners of the prestigious IFIP TC13 Pioneer in Human–Computer Interaction Awards. IFIP TC13 appoints pioneers to honour the greatest contributors to the development and growth of the field of human–computer interaction (HCI).

An IFIP TC13 Pioneer is someone who, through active participation in IFIP Technical Committees or related IFIP groups, has made outstanding contributions to the educational, theoretical, technical, commercial or professional aspects of analysis, design, construction, evaluation and use of interactive systems.

An IFIP TC13 Pioneer has contributed in one or several of the four main elements below:
1. IFIP involvement conference.
2. Publications (multiple full papers) at INTERACT and attending numerous INTERACT conferences.
3. Significant research contribution (possibly with specific (new) application domains).
4. A pioneer in the original meaning of the word, either in the area of HCI or in a local area (region or country) in the world.

The 2020/2021 Committee who considered the IFIP TC13 Pioneer awards comprised Paula Kotzé (South Africa, Past Pioneer, Committee Chair), Helen Petrie (United Kingdom, Past Pioneer), Geraldine Fitzpatrick (Austria, Past Pioneer), Anirudha Joshi (India, Past Pioneer) and Janet Wesson (South Africa).

The Committee considered eleven nominations for the Award. The Committee unanimously decided to honour six candidates with the 2020/2021 IFIP TC13 Pioneer Award:

- Marco Winckler (France)
- Peter Forbrig (Germany)
- Ann Blandford (United Kingdom)
- John M. Carroll (USA)
- Manfred Tscheligi (Austria)
- Monique Noirhomme
- Fraiture (Belgium)

**IFIP TC13 congratulates the 2020/2021 Pioneer Award winners for their fine work and pioneering achievements!**

**Commendation Summaries of the 2020/2021 Awardees**

**Marco Winckler, France**

Marco Winckler is Professor of Human-Computer Interaction (HCI) at the Université Côte d’Azur and member of the SPARKSWIMMICS team of the Laboratory I3S at Sophia Antipolis, France.

His research addresses problems concerning the engineering of interactive systems, including how to describe interactive systems and how to evaluate user interfaces to detect problems in early phases of the development process. In recent years, his research has embraced themes of information visualization including methods for describing complex visualization pipelines (more specifically, for processing linked data/semantic Web data) and coordinated visualizations. He has been involved in numerous Eusupported and national research projects. He has served as secretary of IFIP TC13 since 2013. He is a member of the IFIP WG 13.4/2.7 (User Interface Engineering) and WG 13.2 (Methodologies for User-Centered Systems Design) (which he chaired from 2014 and 2019), and the IFIP Committee on Internet of Things. He also has been devoted to the organization and promotion of many conferences in the HCI field and, in particular INTERACT. He received the IFIP Silver Core Award in 2016, and the IFIP Outstanding Service Award in 2012.
Peter Forbrig, Germany

Peter Forbrig is Professor Emeritus of Software Engineering at the University of Rostock in Germany. He obtained his PhD in compiler construction in 1980 and his Habilitation in software engineering methods in 1987. Besides working in industry from 1981 to 1998 he was appointed as a full professor in 1994.

His research interests include classical software engineering such as UML, design patterns and case tools. Additionally, he is interested in combining task-based development methods with object-oriented ones. His research combines human computer interaction (HCI) with software engineering. He has published several papers on software engineering and HCI.

Peter has been engaged in IFIP activities since 2001, when he co-organized the workshop “Software and Usability Engineering Cross: Pollination: The First Step for Integrating Usability into Software Engineering” at INTERACT 2001 in Tokyo, Japan. Peter has been active in IFIP WG 13.2 (Methodologies for User-Centered Systems Design) (which he chaired from 2007 to 2013), WG 13.4 (User Interface Engineering), and as a programme committee member of INTERACT. Peter established the IFIP International Conference on Human-Centered Software Engineering (HCSE).

Currently, he is an expert member of IFIP TC13.

Ann Blandford, United Kingdom

Ann Blandford is Professor of Human–Computer Interaction at University College London and formerly Director of UCL Interaction Centre (UCLIC) and of the UCL Institute of Digital Health. She has served as technical programme chair for various international conferences including IHM:HCI 2001, DSV-IS 2006, NordiCHI 2010 and ICHI 2016. She was Deputy Chair of IFIP WG 2.7/13.4 (2010–2013). She has chaired national research committees including SSAISB (1997–1999) and the UK Computing Research Committee (2016 -18). She is the lead author on two Synthesis lectures: on Interacting with Information and on Qualitative Methods in HCI.

She has led many research projects on the design of safety-critical systems and information systems, and has pioneered new approaches to studying and designing complex interactive systems, with a particular focus on health and wellbeing technologies. She works closely with healthcare engineers, clinicians and patients, exploring new approaches to applying HCI theory and methods to practical health technology projects. She has published widely on the design and use of interactive health technologies, and on how technology can be designed to better support people’s needs and values, recognising that people are living complex lives and often managing complex health conditions.

John M. Carroll, United States of America

John M. Carroll is Distinguished Professor of Information Sciences and Technology at the Pennsylvania State University. His research is in methods and theory in human–computer interaction (HCI), particularly as applied to Internet tools for collaborative learning and problem solving, and design of interactive information systems. Previously, he was manager of the IBM User Interface Institute, and Department Head for Computer Science at Virginia Tech. He was the founding Vice Chair of IFIP WG 13.2 (Methodologies for User-Centered Systems Design), a keynote speaker at HCI conferences on five continents, and a member of many IFIP program committees.

He received the IFIP Silver Core Award in 1998 and was elected IFIP Fellow in 2020. He has also received the Rigó Award and the CHI Lifetime Achievement Award from ACM, the Goldsmith Award from IEEE, and an honorary doctorate in engineering from Universidad Carlos III de Madrid. He is a fellow of AAAS, ACM, IEEE, the Human Factors and Ergonomics Society, the Psychonomics Society, the Society for Technical Communication, and the Association for Psychological Science. In 2018, he received the Faculty Scholar Medal in Social and Behavioral Science from Penn State.
Manfred Tscheligi, Austria

Manfred Tscheligi is Professor of Human-Computer Interaction (HCI) and Usability at the University of Salzburg, and Head of the Centre for Technology Experience at the Austrian Institute of Technology (AIT) GmbH. At the University of Salzburg, he leads the Centre for Human - Computer Interaction and is also currently Vice Dean of the Faculty of Natural Science.

He has been active in the fields of interactive systems, HCI, usability engineering, user interface design, user experience research as well as persuasive interfaces and behaviour change. His most recent work has been characterized by a special dedication to contextual interaction phenomena by investigating complex and specific contextual situations such as factories or cars.

He was a pioneer in establishing HCI as an interdisciplinary field in Austria, including the establishment of a variety of national and international collaborations. His work is bridging basic research, applied research, education and professional training, as well as translation into industry (also by the early foundation of a usability and user experience consultancy company).

He is very active in the HCI community (spanning different areas) either with contributing a variety of research results, participating in working groups (also TC13 related) or co-chairing relevant conferences (e.g. CHI, MobileHCI, ECSOW, HRI, AUI and Persuasive).

Monique Noirhomme-Fraiture, Belgium

Monique Noirhomme-Fraiture is Professor Emeritus from the Computer Science Faculty at the University of Namur, Belgium. Her specialties are probability statistics, data analysis, as well as human-computer interaction (HCI). During her career, she aimed to create a bridge between these domains within the French speaking communities in data mining (EGC) and HCI (AFIHM), specifically by co-organising conferences in Belgium and Luxembourg. With her students, she also developed several useful applications for people with disabilities. She has been involved in numerous EU-supported and national research projects. In particular, she coordinated an important European project with 17 partners in symbolic data analysis (ASSO), and a Walloon project on design and evaluation for internet ergonomic websites (DESTINE).

She was the Belgian representative on IFIP TC13 from 1993 to 2016. She also served as Chair IFIP WG 13.3 (HCI, Disability and Aging), Vice chair for Awards for TC13, and on several programme committees for INTERACT. She also coorganised several workshops under the WG 13.3 banner. She received the IFIP Silver Core Award in 2007.

Past IFIP TC13 Pioneer Awardees

- 2010: Brian Shackel (United Kingdom) and Liam Bannon (Ireland).
- 2013: Joëlle Coutaz (France), John Karat (USA), Gitte Lindgaard (Canada and Australia), Zhengjie Liu (China) and Gerrit van der Veer (Netherlands).
- 2014: Paula Kotzé (South Africa), Fabio Paternó (Italy) and Clarisse Sieckenius de Souza (Brazil).
- 2015: Julio Abascal (Spain), Philippe Palanque (France) and Annelise Mark Peijtersen (Denmark).
- 2016: Jan Gulliksen (Sweden), Alistair Sutcliffe (United Kingdom) and Susanne Bødker (Denmark).
- 019: Anirudha Joshi (India), Geraldine Fitzpatrick (Austria, Australia), Helen Petrie (United Kingdom, Australia), Masaaki Korusu (Japan) and Simone Diniz Junqueira Barbosa (Brazil).
Failure to patch and update software a noteworthy fail, says IITPSA

ICT professionals, security and governance teams have a duty of care to ensure that the systems people depend on are properly patched and updated, and failure to do so might be seen as a failure of both ethics and internal controls.

So says the Institute of Information Technology Professionals South Africa (IITPSA), which was responding to recent breaches and glitches caused by organisations failing to keep software appropriately patched and updated.

Moira de Roche, Independent Consultant, IITPSA non-executive director, Social & Ethics Committee Chair, Chair of IFIP IP3, and IFIP Board Director, says several high-profile breaches, such as the 2017 Equifax hack that exposed the data of over 147 million people, were due to vulnerabilities for which patches were available. “Unpatched systems are a major governance and security risk,” says de Roche.

SARS fail erodes trust

“At the same time, we are seeing failure to update and patch systems resulting in massive inconvenience, as in the case of the recent SARS failure to migrate all of its forms from the Adobe Flash Player platform before the termination of support last month. Updates and migration should have been part of the IT, governance and security project plan years ago,” she notes.

De Roche says ICT professionals have a duty of care to ensure that the basics – such as patching and updates – are attended to timeously to avoid risk to their organisations, and the individuals entrusting those organisations, with their data.

SARS has said that it prioritised the migration of major tax types with the highest volumes from Adobe Flash Player to the HTML5 platform, and planned to complete the migration of the rest of its forms this year. However, it conceded it had erred in its interpretation that functionality would continue beyond the date for discontinuation of Adobe Flash Player support. The organisation then announced that it had published its own web browser, with support for Adobe Flash, to allow taxpayers to continue submitting tax forms electronically.

Carolyn Chalmers, IT Governance Advisor at Candor Governance, a previous director of IITPSA and an IITPSA designated professional CIO (Pr.CIO™), says the recent SARS issue might be seen as a failure of the organisation’s system of internal controls. “Instances such as these are clear indicators of IT management lapses,” Chalmers says.

She says IT governance responses to such indications of ineffective IT management could include activities such as reviewing the organisation’s IT governance policies to ensure that they remain suitable and meet the context in which the organisation finds itself (e.g. increased cybersecurity risk context) and taking action on the basis of management and assurance reports. Such reports include:

i. Executive report on the management of the IT department, including performance management and remuneration policy;
ii. Audit Committee / Chief Audit Executive report on the performance of associated internal controls; and
iii. Risk Committee report on the effectiveness of the organisation’s IT risk management in the context of the organisation’s Enterprise Risk Management.

IITPSA Past President and Non-Executive Director, Ulandi Exner, says failing to attend to basic patch management, or failure to migrate from applications nearing end of support, raises major concerns about overall security and erodes trust in an organisation such as SARS. “There is no convincing reason why this SARS oversight occurred,” she says. “It raises questions about their new browser too. How can taxpayers trust a browser that was launched virtually overnight and only works on Windows? From a security perspective, we don’t know whether it has gone through the right levels of testing and acceptance, and there are no indications of how patch management will be handled on that application.”

Why updates and patches are neglected

Installing patches and updates can be time consuming and laborious, and can disrupt operations, Exner says. “We all know the frustration of seeing our own laptops updating when we have urgent work to attend to. In a large enterprise, there are far more complex and intricate environments at play. Many IT teams are loath to risk disrupting these systems with a patch or update that might cause unexpected changes, so they take the approach ‘if it ain’t broke, don’t fix it’. But patches and updates have to be attended to, in a controlled environment. You need a proper patch management programme to mitigate risk,” she says.

The Institute of Information Technology Professionals South Africa (IITPSA) is a South African professional body for Information Technology professionals and aims to further the study, science and application of Information and Communications Technologies (ICTs); maintain and promote Codes of Conduct and Ethics for its members; define and promote standards of ICT knowledge; promote the formulation of effective policies on ICT and related matters; and extend the knowledge, understanding and usage of ICTs in the community. This is achieved by engagement with both Industry and Government on ICT policy, regulations and professional activities, combined with a commitment to the wider community to ensure the beneficial use of ICT. [www.iitpsa.org.za](http://www.iitpsa.org.za)
IFIP WG 9.10 Members Win International Cyber Security Competition

Three members of WG 9.10 ICT Uses in Peace and War were part of a team that won the Strategy and Policy track of the Global Cyberpeace Challenge 2.0. The team comprised of Dr Brett van Niekerk, Dr Trishana Ramluckan, Mrs Noëlle van der Waag-Cowling, and a master’s candidate.

The team was multi-disciplinary, with Dr van Niekerk (currently chair of WG 9.10) leading the team and bringing technical experience. Dr Trishana Ramluckan specialises in International Humanitarian Law related to cyber security, and Mrs van der Waag-Cowling specialises in cyber strategy.

Dr van Niekerk is a senior lecturer in the School of Mathematics, Statistics, and Computer Science at the University of KwaZulu-Natal (UKZN), South Africa, and Dr Ramluckan has recently completed a postdoctoral fellowship at UKZN’s School of Law. Mrs van der Waag-Cowling is a researcher at the Security Institute for Governance and Leadership in Africa housed at Stellenbosch University, South Africa.

Four teams progressed to the finals on the second day of the challenge, from twelve teams that competed in the semi-finals on the first day. Each team represented a specific country responding to a hypothetical evolving international cyber-attack crisis. The teams were required to submit and present a holistic strategy based on technical, policy, social and economic factors in the form of advice to the hypothetical national leaders.

The Global Cyber Challenge is organised by the CyberPeace Foundation, a non-government organisation based in India. There were participants from 55 countries competing across the three tracks of the challenge. The CyberPeace Foundation is a non-governmental organisation headquartered in India, with a focus on promoting five United Nations sustainability goals with respect to the Internet. Their primary activities are advocacy, policy engagement, and capacity building.

VLSI-SOC 2021 - October 4-8 2021 - Nanyang Technological University, Singapore

VLSI-soC 2021 is the 29th in a series of international conferences sponsored by the International Federation for Information Processing Technical Committee 10 Working Group 5, IEEE CEDA, and IEEE CASS, which explore the state-of-the-art in the areas of Very Large Scale Integration (VLSI) and System-on-Chip (SOC) design. The purpose of VLSI-soC is to provide a forum to exchange ideas and showcase academic as well as industrial research in architectures, circuits, devices, design automation, verification, test, and security, within digital, analog, and mixed-signal systems.

VLSI-Soc 2021 will be held under the theme "Intelligent and Secure Edge Computing," exploring the design and optimization challenges around AI, machine learning, and cybersecurity on distributed and heterogenous low-power circuit and systems powered by CMOS and beyond-CMOS technologies.

Key dates:
Abstract registration: April 19, 2021
Full paper submission: April 26, 2021
Special session proposal: April 26, 2021
IITPSA acknowledged as preferred professional body for IT critical skills assessments in SA

The Institute for Information Technology Professionals South Africa (IITPSA) is acknowledged as the preferred industry body for ICT professionals seeking critical skills visas to work in South Africa, as highlighted in the latest draft of the South African Critical Skills List issued by the Department of Home Affairs.

The Critical Skills List specifies on all scarce and critical ICT skills that membership of the IITPSA will be preferable for applicants. IITPSA President Thabo Mashegoane has welcomed this, noting that the IITPSA has been the curator of South African IT industry professional standards and has carried out assessments for critical skills visa applications for the sector since they were introduced in 2014.

“The IITPSA is the only information technology professional body recognised by both the South African Qualifications Authority (SAQA) and IFIP’s International Professional Practice Partnership (IP3), and as such, our standards are recognised internationally,” he says.

The IITPSA believes that the professional and ethical assessment of critical skills applications is paramount and is in the process of appointing new assessors to further strengthen this capability and is in the process of appointing new assessors to meet this increased demand.

Due to the volume of applications being received, membership applications (registration) must be made online (https://www.iitpsa.org.za/inmembersform.html) and critical skills applications will only be accepted electronically at csas@iitpsa.org.za. For further information on assessments in support of the Critical Skills Visa, please go to https://www.iitpsa.org.za/critical-skills-visa/

Golden age of tech coming, but scores of jobs at risk, says futurist

Smart connected machines are set to put both blue collar and white collar workers out of jobs in large numbers, and this wave of change will force paradigm shifts in education, work and society as a whole.

So says Sean Culey, Business transformation expert, futurist and author of “Transition Point: From Steam to the Singularity”, who was speaking during a webinar hosted by the Institute of Information Technology Professionals South Africa (IITPSA) special interest group on AI and Robotics and the special interest group’s chairperson, Johan Steyn, a technologist and management consultant.

Culey, whose book took over five years to research and covers a number of similar waves of industrialisation and economic and societal change over the past 1,000 years, says the world is now in a transition point between the fifth and sixth technological waves.

While some factors have been the same in each wave, the current wave differs from previous waves in that it is unlikely to result in new jobs being created for those who work with their hands, or who carry out routine rules-based work, he said.

Steyn noted that the disruptive change seen emerging in recent years had been accelerated by the Covid-19 pandemic, and may have impacted the direction of the emerging 4th Industrial Revolution.

Said Culey: “In some respects, we can expect a golden age of technology as we emerge from the Covid-19 pandemic. Advancements such as artificial intelligence, robotics and drones have yet to fully emerge and become fully disruptive. The next 20 years could be one of the most exciting times in human history.”

"However, there is cause for concern: there are major social and economic challenges ahead. In previous waves, there was always an industry emerging that created employment for lower skilled workers. This time, much of the new work will be done by robots and AI. Strangely, while everyone thinks automation will affect employment, they never think it will affect their jobs. We now have machines that replace human capabilities. They speak, hear, understand, process, collect, learn and share those learnings amongst themselves, whereas humans learn individually, so we are limited in our learning capabilities."

"There will be a whole raft of new jobs, but they will require new skills – creativity, entrepreneurship, insight, investigation and inquiry. Simply learning and repeating facts will have no value, because machines can do this for us. Learning will have to undergo a paradigm shift, and people will have to learn more about how to ask the right questions," Culey said.

He noted that in previous waves, development had been the greatest in societies where the individual was free to innovate and keep the rewards of their innovations. Attempts to roll back freedoms, through the constant monitoring and control of people’s online and real world activities via tools such as facial and digital surveillance would likely undermine progress, he said.

Culey said Africa, with its growing young population, could enter the next wave leapfrogging more developed nations, but could also risk losing ground as its young people migrated around the world in search of opportunities. He said: “If we teach our people to compete against machines, we will be teaching them to lose. Africa should encourage its young population to learn, educate themselves, and use telepresence technologies to reach out for support. The continent needs to build infrastructure to support the next wave of technologies, such as roads, traffic lights and rules that enable the use of autonomous cars, vans and other delivery vehicles.” States also have to create an aspirational population, ensure that they provide support and promote inclusivity while correspondingly limiting their control over people, encouraging freedom, entrepreneurship and innovation, he said.

In response to a question on whether countries should consider a universal basic income in light of coming job disruptions, Culey said this was a solution whose time may have come. “It has been proposed as a solution at every wave, including the first one. During the first Industrial Revolution and French Revolution, it was suggested that the profits of the land should be given
to each citizen as a citizens’ income,” he said. “Every time it comes up, people think it’s a new idea, but it gets forgotten as new opportunities for mass employment arise. However, I think it is an idea whose time has now come since there won’t be new opportunities for mass employment in the same way as before. The market for people who only have their physical labour to sell will dry up. During the pandemic, we saw the groundwork being laid for a higher level of state support as businesses were forced to close and people could not work, and further additional support may arise as more industries are disrupted. The debt that has built up now may never be repaid, and this may be the catalyst for a new financial arrangement between the state and its citizens.”

The webinar was held as part of IITPSA’s regular series of SIG gatherings and Tabling Tech webinars to allow members to share knowledge, discover new insights, inspire and engage with industry leaders. For more info visit www.iitpsa.org.za

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News from Associazione Italiana per l’ Informatica ed il Calcolo Automatico

On February 4, 2021, AICA celebrated its first 60 years. Due to the pandemic, we celebrated the birthday online.

Watch it on the YT AICA Channel (select English subtitles):
https://www.youtube.com/watch?v=IEVxhcPKix4&list=PLs-fkQ8jQKX1yzzJeZ-FqmObGaN6FsnQE

A long history started in 1961; AICA is the scientific association that has always involved high-level academic figures in its main activities. Its mission since the early days has been and is to spread the digital culture in our country without forgetting the international relationship.

During this year we are planning several events. The first one will be held on April 15, 2021, “Spring Event” and it will be the occasion to launch several initiatives such as additional online events, talks, interviews and so on. We will soon update you on these events.

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CLEI Latin American Computing Conference in 2021 to be held in Costa Rica

The Latin American Computing Conference is organized since 1974 by the Latin American Center for Computing Studies (CLEI), a proud member of IFIP. The conference is a meeting point for hundreds of researchers, professionals, teachers and students of the Latin American region and abroad, and includes current research in all areas of Computing, as well as forums on the direct impacts of ICT in the society as a whole, on teaching, and on curricular aspects. The objective of the event is to promote the exchange of ideas, experiences and research results among the community, through conferences, workshops, tutorials and panels.

CLEI 2021 will be held virtually from October 25 to October 29, 2021, under the local organization of the Instituto Tecnológico de Costa Rica. The conference includes nine symposiums and several associated and satellite events. We invite researchers from all the world to submit their work to the conference, which applies a strict peer-review process. The deadline for paper submissions is 25 April 2021; authors will be notified of the review results by 4 July.

More information on the event is available at http://clei2021.cr
Announcement of the Benchmarking Framework for Online, Open, Smart and Technology-enhanced Higher Education at Innovation Arabia 14

The first edition of the Benchmarking Framework for Online, Open, Smart and Technology-enhanced Higher Education was announced at the fourteenth edition of “Innovation Arabia” conference and exhibition held virtually on 22-24 February 2021.

Under the patronage of His Highness Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum, Crown Prince of Dubai and President of HBMSU, Innovation Arabia 14 was organized under the theme "Innovation Everywhere" to address contemporary issues and spread a culture of innovation throughout the world. Innovation Arabia 14 featured a series of scientific presentations, webinars, round tables, and workshops in the fields of quality and business management, learning, health and environmental studies. H.E. Dr. Mansoor Al Awar, Chancellor of HBMSU, said, “The event is being held at an exceptional time as the world is currently in need of effective and innovative solutions to address current issues; explore future prospects and unleash the potential that Arab countries possess so that we can use it in the move towards social and economic growth, especially now that we are facing the impacts and repercussions made by COVID-19.”

One of the highlights of the conference was the announcement of the Benchmarking Framework for Online, Open, Smart and Technology-enhanced Higher Education at the opening ceremony. The framework had been developed by experts of the international consortium of prominent international associations and universities, such as Commonwealth of Learning, Association of Arab Universities, Asian Association of Open Universities, UNESCO-ICHEI, European Association of Distance Teaching Universities and other institutions of higher education. The first edition of the Benchmarking Framework comprises six dimensions and 39 indicators as well as evidence and data sources that can be used to demonstrate achievements. They reflect unique characteristics of online and open learning and include factors such as creation of innovative e-learning experiences, global engagement of a diverse faculty, rich content development and agile delivery mechanisms; outcomes and impact on society, and others. The Framework will assist online and open universities in quality assurance and self-assessment, emphasize exemplary levels of quality and improve the credibility of online higher education.

The consortium welcomed its two new members – The Open University of China and Universitas Terbuka, and announced the beginning of the implementation phase. The initiative is aimed to establish and promote a common understanding and criteria for quality in technology-enhanced higher education and facilitate sharing of best practices taking into account the rising need for quality assurance in online education and aspiring to facilitate the achievement of SDG 4. The consortium is open to welcome new members from all regions of the world as well as policy-makers, experts and observers from international organizations to facilitate the work and provide for global cooperation. For more information about the membership, please contact: IC@hbmsu.ac.ae
41st Congress of the Brazilian Computer Society - CSBC 2021

Founded in 1978, The Brazilian Computer Society (SBC) has played a relevant role in establishing computing as a science and profession in Brazil and Latin America. It is represented in several government institutions and maintains a strong influence in adopted curricula for computing careers in Brazil. The society is organized over 27 special commissions virtually covering all fields of computer science and ICT, with related technical conferences.

SBC promotes annually the Congress of the Brazilian Computer Society (CSBC) to discuss emergent societal and multidisciplinary issues, which is the most traditional and the largest scientific event in the area of Computer Science in Brazil. Since its inaugural edition in 1980, CSBC gathers annually an average of 1,000 academics, researchers, students, and professionals from Brazil and abroad to present and discuss the latest scientific, technological, educational, and political developments in the area of Computer Science.

The main theme of CSBC 2021 is "Innovation and Digital Transformation: Facing the Complexity and Uncertainties of the Contemporary World", comprising 25 parallel events, with activities such as technical sessions, keynotes, panels, meetings, symposiums, workshops, as well as courses, training and contests targeted at graduate and undergraduate students.

The congress will address the challenges faced in an increasingly dynamic, complex, and uncertain world, highlighting the role of computing technology as a key tool to boost innovation and the transformations that can lead to solutions for the obstacles currently faced by our society. While new risks, uncertainties, and adversities have emerged due to the Covid-19 pandemic, new opportunities have also been created. In this context, all segments of our society increasingly require and are influenced by computer systems and the Internet. The combination between computing technology and innovation is vital for the digital transformation of strategy, structure, culture, and processes within organizations. As a result of choosing this theme, we seek to bring out both technological innovations and the social, environmental, economic, ethical, and cultural impact that result from these solutions in order to achieve sustainable development.

The 41st edition of CSBC will be hosted in the city of Florianópolis, from July 18 to 23, 2021 and organised by UFSC (Federal University of Santa Catarina) and UNIVALI (University of the Itajai Valley). Remote attendance will be allowed due to the pandemic. More information about the congress can be found at http://sbc.org.br/csbc2021
IT Professionalism Conference 2021 to be held 20-22 April

You can now register to the IT Professionalism Conference 2021 hosted by ITPE, eSkills Malta Foundation and the Irish Digital Skills and Jobs Coalition. The event will take place over three half-day online sessions on 20-22 April.

On 20 April, we will focus on ‘The Challenge of Professionalism in Europe and Beyond’, where we will hear from representatives of the European Commission on the latest EU policies related to IT professionalism. The panel discussion will feature speakers from different parts of the world sharing their experience on the topic. On 21 April – ‘IT Professionalism in Practice’ – we will discuss tackling the skills gaps in the sectors of software and blockchain.

The final day, 22 April, is dedicated to younger professionals starting a career path in IT. During the panel discussion, experiences and skills needed to start a career in IT will be discussed. We will also hold a ‘CV clinic’, exploring how to improve applications to get hired.

Register now on ITPE’s website and kindly distribute this information through your networks.

VLSI-SOC 2020 / VLSI-SOC 2021

The last version of the international conference exploring Very Large Scale Integration (VLSI) and System-on-Chip (SoC), VLSI-SoC 2020 was held virtually last October.

A custom web infrastructure was created to offer a cost-efficient, yet easy to navigate environment for the attendees. Centralized agenda and links to all presentations were hosted on the conference website, while all the bandwidth intensive activities relied on external services. In particular, pre-recorded Youtube videos and live Zoom webinars (sponsored by IEEE CEDA) were used for the scientific sessions, and each presentation was followed by five minutes of Q&A with the presenter via live chat discussion on Zoom. All keynotes were live, recorded for future viewings, and made available on the conference website. Finally, the program that typically runs over three days was spanned over five days, to ensure less screen fatigue.

Thanks to the IFIP Working Group 10.5 sponsor, the use of the University of Utah’s resources to develop the website, the reduction of operating costs due to the virtual format and the sponsoring from Synopsys, Inc. and MDPI’s computers, the attendance was made free to all participants.

Submission rate slightly went down compared to previous years due to the uncertainty of covid at the time of the call for papers in the Spring of 2020. But 88 submissions were received allowing a competitive program creation. Our ability to offer the conference for free enabled a significant increase of attendance with close to three times more participants than in previous editions.

While the physical presence at a conference, the opportunity to interact socially, and networking can not be replaced by a virtual format, the VLSI-SoC 2020 conference remained attractive and kept its ability to reach its mission for early scientific dissemination and successful place to exchange information.

Submissions for VLSI-SOC 2021 are now open. Unfortunately, being the COVID-19 crisis still unresolved, the conference will run virtually also this year, but given the positive experience of the 2020 edition, we kindly invite the scientific and industrial communities to contribute also for VLSI-SOC 2021.

Online lectures and courses on the internationalization of disciplines

In December 2020, three foreign experts were invited by Prof.&Dr. Daoliang Li’s team to give a series of academic lectures. The lectures went well and were highly praised by teachers and students. The details are as follows:

(1) From December 15 to December 25, 2020, Michele Genovese, a former senior official of the Promotion Agency of European Studies in Italy, was invited by Prof.&Dr. Daoliang Li’s team and other faculty and students of the college of Information and Electrical Engineering to deliver four online academic lectures. The theme of the speech was "Seminar on EU-China Cooperation in Science and Technology, Food and Other Fields - Based on the Horizon Europe: new perspectives," The speech hosted by China agricultural university Prof.&Dr. Daoliang Li’s, Michele Genovese successively from how does the Horizon Europe EU project organization work, budget and time node, Europe the three pillars of the horizon, international cooperation objectives and methods, how to promote international cooperation and exchanges, Europe's 2020 strategy, supporting central seven flagship project, the future overall EU-China cooperation, and cooperation, challenges and Suggestions to the future cooperation (pay particular attention to industry) and so on various aspects has carried on the detailed explanation, discussion and the final part Michele Genovese answered all the questions of the participating teachers and students one by one. The whole lecture covered a lot of information, which made the participating teachers and students have an overall understanding of the application of EU framework international cooperation projects and matters needing attention. After the meeting, many teachers and students asked for sharing Michele’s speech documents for learning. A total of 11 teachers and students attended the lecture.

(2) From December 3 to December 9, 2020, Manoj Karke, Associate Professor of Washington State University, Editorial Board Member - in - Information Processing in Agriculture, was invited to deliver four online lectures on Writing convincing research manuscripts for International Journals for Prof.&Dr. Daoliang Li’s team and other faculty and students of college of Information and Electrical Engineering.Prof.&Dr. Daoliang Li and Dr. Xiangyun Guo from China Agricultural University hosted the lecture. Manoj Karkee professor talked about the first in the process of learning, scientific research, the importance of abiding by the academic norms and academic ethics, and the paper title, abstract, keywords and the chapter analyzes in detail how to write a high level of English papers, English thesis writing common problems, and then in agricultural automation picking research, for example, detailed tells the story of what is innovation, how to measure innovation, how to set the research target, different ways of dealing with data, how to make the discussion part more deeply and attractive, what is the focus of the conclusions, etc. Lecture last link given because of the problems in writing: what is the logic structure of such as the Introduction part, discuss some problems such as what is more popular is discussed, free for questions, Manoj Karkee professor according to students' problem given to the patient explanation, to students of English writing for advice on the and pointed out the direction, writing in this lecture, Manoj Karkee professor explain logic clear, rich in content, the humor and wit, get everyone's consistent high praise. A total of 37 students and teachers attended the lecture.

(3) From December 2 to December 8, 2020, Professor Qile He from the University of Derby was invited to deliver four online academic lectures on journal papers for the teachers and students of college Information and Electrical Engineering. The topic of the lecture was: A Personal Reflection on the Journey. The lectures were hosted by Prof.&Dr. Daoliang Li and Ph.D. Xiangyun Guo from China Agricultural University. Professor Qile He explained the difficulties and key points in English paper writing, mainly from the aspects of how to choose the research direction, the measurement standard of good research direction, how to show the contribution of research, how to organize the right storyline and so on. A total of 36 students and teachers attended the lecture.
IFIP WG 8.3 Mourns the loss of Professor Daniel J. Power

IFIP WG 8.3 is sad to report the passing of Prof. Daniel “Dan” J. Power. As an international expert in the area of Decision Support, Prof. Power served as an active member of IFIP WG 8.3 for over 20 years. He first presented at the IFIP WG 8.3 1998 conference entitled “Context Sensitive Decision Support Systems” in Bled, Slovenia. Prof. Power has been an active member of IFIP WG 8.3 since then, in 2014 he gave the keynote presentation at the conference in Paris, France.

Prof. Power served as Professor and Management Department Head in the College of Business at the University of Northern Iowa. In 1996, he served as Acting Dean for the College of Business and remained, an active member of the Faculty. His expertise was renowned, and he served as a lecturer or visiting scholar abroad at universities in Italy, Spain, India, Ireland, Brazil, Columbia, Russia, China, and Turkey. He was a widely published author of numerous journals and seven books.

Prof. Power founded the Midwest Chapter of AIS (MWAIS) and the editor-in-chief of the Journal of Midwest Association for Information Systems (JMWAIS). His academic accomplishments reached far beyond the classroom with 152 articles, along with 10,267 citations, on his extensive list of achievements.

“We are all deeply saddened by the recent passing of our colleague and friend” said Ciara Heavin current Chair of IFIP WG 8.3. “We send our condolences to Dan’s family, friends, colleagues, and students. Dan will be missed by everyone that worked with him on IFIP WG 8.3 and AIS activities.”

For his service to IFIP WG 8.3, we will acknowledge Prof. Power at the next conference which is due to take place in June 2022 at Corvinus University of Budapest, Hungary.
Some of forthcoming IFIP events. For a full list of events, please look at [http://www.ifip.org](http://www.ifip.org)

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<td>IFIP, IEEE COMSOC and ACM SIGCOM</td>
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<td>The 20th IFIP Conference e-Business, e-Services, and e-Society 13E2021</td>
<td>i3e2021</td>
<td>01/09-03/09 2021 Galway, IE</td>
<td>IFIP WG6.11 / IFIP TC6</td>
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<td>Advances in Production Management Systems</td>
<td>APMS</td>
<td>05/09-09/2021 Virtual Conference</td>
<td>CNRS (National Centre for Scientific Research), France / IFAC TC 5.2 / Centrale Nantes (France) / Nantes University (France) / Rennes school of business (France) / Audencia (France)</td>
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<td>EGOV2020 - Joint conference on EGOV-CeDEM-ePart</td>
<td>EGOV2021</td>
<td>06/09-09/2021 Granada, ES</td>
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<td>Forum on specification &amp; Design Languages</td>
<td>FDL '21</td>
<td>08/09-10/09 2021 Antibes, FR</td>
<td>INRIA, University of Verona, CNRS expected, IEEE expected, CEDA expected</td>
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<td>Networked Systems 2021</td>
<td>NetSys2021</td>
<td>13/09-16/09 2021 Lübeck, DE</td>
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<td>IFIP International Conference on Testing Software and Systems</td>
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<td>13/10-15/10 2021 London, GB</td>
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<td>ETRIA World Conference ‘TRIZ Future’ 2021</td>
<td>TFC21</td>
<td>22/09-24/09 2021 Bolzano, IT</td>
<td>IFIP WG5.4 / IFIP TC5</td>
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<td>International Conference on Very Large Scale Integration</td>
<td>VLSISoC</td>
<td>04/10-08/10 2021 Virtual Conference</td>
<td>IEEE</td>
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<td>International Conference on Research and Practical Issues of Enterprise Information Systems</td>
<td>CONFENIS</td>
<td>16/10-17/10 2021 Suzhou, CN</td>
<td>IFIP WG8.9 / IFIP TC8</td>
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