



International
Professional
Practice
Partnership



ifip

Partnering for Trust in Digital

IFIP IP3 Annual Report

2021 - 2022

PARTNERSHIP

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Acknowledgements

The IFIP IP3 Board acknowledges the vital support of its members, its committees and industry practitioners for the contributions they make in advancing the mission to develop the global standard in ICT professionalism.

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IP3 Board 2021-2022

 <p>Moira de Roche Chair <i>Representative: IITPSA</i></p>	 <p>Tetsuro Kakeshita <i>Representative:</i> Information Processing Society Japan</p>
 <p>Brenda Aynsley Immediate Past Chair <i>(Deceased August 2018)</i></p>	 <p>Margaret Havey <i>Representative:</i> CIPS</p>
 <p>Adrian Schofield Vice-Chairman Standards and Accreditation and Chief Assessor</p>	 <p>Anthony Wong <i>Representative: IFIP &</i> ACS</p>
 <p>Stephen Ibaraki Vice-Chairman: Strategic Relations</p>	 <p>Liesbeth Ruoff KNVI representative</p>
 <p>Don Gotterbarn Ethics expert <i>(Co-opted)</i></p>	 <p>Jee-In Kim KIISE representative</p>
 <p>Damith Hetiihewa CSSL <i>(Appointed February 2022)</i></p>	

IFIP IP3 Mission

Our mission is to be a global partnership that will strengthen the global IT profession and contribute to the development of strong international economies by:

- defining international standards of professionalism in IT
- creating an infrastructure that will encourage and support the development of both IT practitioners and employer organizations and give recognition to those who meet and maintain the required standards for knowledge, experience, competence, and integrity
- working closely with our member bodies and partners who share our commitment to creating a sound global IT profession.

IFIP IP3 also participates in the UN supported, ITU hosted World Summit for Information Society (WSIS) including formal recognition by ITU as a "Contributing Partner" (IFIP). Our work aligns to WSIS Action Lines and the Sustainable Development Goals (SDGs). Representatives from the IFIP IP3 executive have led WSIS forums and high-level events in Geneva and Paris since 2012, they were invited to participate at the United Nations in New York and have made submissions to the UN General Assembly's overall review of the implementation of WSIS outcomes in 2015.

IP3 Vision

A vigorous program to promote professionalism in the IT profession equal to the older and longer established professions; define international standards and create a global infrastructure that will encourage and support the development of both practitioners and employer organizations in the developed and developing world through the creation of a worldwide set of professional certification schemes recognized as the hallmark of true IT professionalism, delivered through independent national member societies and supported by development frameworks for both individuals and organizations.

iDOCED

IP3 launched the IFIP Duty of Care in Everything Digital Campaign in November 2016. This campaign aims to promote Trust in Digital, and the Duty of Care that everyone including Governments; Organisations, Providers and Consumers have in keeping themselves safe in a Digital World, especially in the reality of the Cyber-physical world that has come with the Fourth Industrial Revolution. IP3 promote this message at every opportunity, and actively seek to "partner for Trust in Digital".

IFIP IP3 Councils

Standards and Accreditation Council

The Standards and Accreditation Council provides independent advice to the IFIP IP3 Board on standards and management of the accreditation functions of IFIP IP3.

The membership of the Standards and Accreditation Council is based on expertise and/or interest in standards and accreditation and not as representative of any group or association. IFIP IP3 would expect that all those engaged in the profession are members of a professional association; however, it should be made clear that such members do not necessarily represent the views of those organisations while engaged in Standards and Accreditation Council activities. The Standards and Accreditation Council will generally seek persons from associations with a strong and robust certification program in place.

Members of Council

Adrian Schofield, Chair (IITPSA)

Peter Cole (ACS)

Penny Duquenoy (IFIP representative)

Tan Moorthy (GIC representative)

Brian Cameron (GIC representative)

Assessment Panel

These volunteers are trained assessors of professionalism schemes for IFIP IP3 members who seek accreditation of their certification/professional credentialing programs. The Panel currently is comprised of:

- Adrian Schofield, Chief Assessor (South Africa)
- Colin Thompson (United Kingdom)
- Peter Cole, Senior Assessor (Australia)
- Bob Hart, Senior Assessor (Australia)
- Dr. Stephen Seidman, Senior Assessor (United States)
- Gina van Dalen, Senior Assessor (Canada)

Global Industry Council

The support of the international employer community is critical to IP3's goal of building ICT professionalism globally. Recognizing this criticality, IP3 established its Global Industry Council (IFIP IP3-GIC) as the principal forum within which ICT employers can engage with IP3 and influence the development of the global profession.

It is the intention that IP3-GIC is a prestigious organization comprised of recognized thought leaders from major organizations (both private and public sector) with acknowledged experience and expertise in information and communication technologies and that a seat at the Council reflects the global third-party validation that is only possible through a 50+ year old body with UN roots.

Global Industry Council Directors are specially nominated and invited to serve within the UN-rooted body as internationally recognized luminary executives, thought leaders, and visionaries and for their strong history of providing substantive contributions to global business, industry, society, education, and governments. The IP3-GIC is a first of its kind focusing on computing as a profession, which will further align computing with organizational strategy and business agility driving sustainability, education, risk management and security, skills development, professional standards, innovation, entrepreneurship, business growth, regional GDP growth, high yield investment opportunities, and regional economic development. Global GDP is over 60 trillion USD and the global program for computing as spearheaded by IFIP IP3 and IP3-GIC will be a catalyst for a more than a 20% increase in global GDP in the next 10 years to over 80 trillion USD.

The IP3-GIC purpose and mandate are set out in Appendix 2. Find a list of GIC Directors here: [GIC Director List](#)

Reports

IP3 Chair Report

The past year....

2021 continued in much the same vein as 2020, with events and meetings run virtually. Thankfully, early in 2022 things slowly started to normalise after the global restrictions of 2020 & 2021.

Everyone talks about the “new normal” with remote and hybrid workforces, and a sharp uptake in online shopping globally. Education and learning having been forced to go online, has transitioned into a blended approach with some online and some face-to-face. In my opinion, it is not just “normal”, and I hope organisations are not tempted to regress to the “old” normal.

Some highlights of my year follow.

IFIP & IP3 at WSIS 2022

Several events were held online from March, culminating in a live forum at the end of May. IFIP was once again a Supporting partner. The theme for this year’s WSIS Forum was “ICTs for Well-being, Inclusion, and Resilience”.

IFIP President Mike Hinchey, President-elect Anthony Wong, InterYIT chair Amit Joshi, and I attended the live event from 30 May to 3 June 2022.



The IFIP team with Houlin Zhao at the WSIS 2022 Exhibition

WSIS Forum Inauguration 15 March 2022 (Virtual Session)

IFIP were invited to participate in this session with Secretary-General Houlin Zhao officially opening the Forum, and I represented IFIP. We were asked how we had benefited from being part of the WSIS process, and what we believe the future of the process is. I explained IFIPs history at the forum. IP3 have presented Thematic Workshops at the Forum since 2012, and we used the opportunity to deliver a message about Trust in Digital, and the importance of ethics – underpinned by the IFIP Code of Ethics.

The WSIS process has given IFIP a focal point for its work and has ensured that the work supports the Action Lines and contributes to achieving the Sustainable Development Goals. I also explained that IFIP’s Technical committees and their working groups have been paying attention to the goals (SDGs) and concentrating their research on the goals.

IFIP believes that sustainability must be a major focus going forward. We must concentrate on technologies that can address sustainability issues, most importantly climate change, to accelerate progress. IFIP will encourage providers of ICTs to focus their efforts on sustainability. WSIS forum should facilitate discussions, resulting in partnerships that have a firm agreement of the steps to be taken.

High-Level Policy Session 31 May 2022 (Hybrid)

Moira de Roche represented IFIP at the Opening Segment in person.

IFIP's main objective is to use the extensive resources we have in our global community to address the digital challenges we are faced with today. This includes the usual suspects: AI, Robotics, Cybersecurity, the Metaverse, and sustainability. Sustainability is not a digital challenge per se, but we must be very creative in using technology to develop solutions that are innovative and resilient.

IFIP have extended reach and access to a large global community. This community extends through our IT member societies around the globe, the many thousands of scientists and researchers in our technical committees and their associated working groups, the domain committees which focus on the issues of the day, IFIP's International Youth in IT forum (InterYIT) which provides knowledge and growth opportunities for young people in IT around the globe, as well as IP3 – which has as its mission to mature IT as a profession. This mission empowers the supply side of Information Technology to embrace professional qualities and provide trustworthy products and services to end users and consumers.

We cooperate and collaborate with our extensive community, but we must look outside of the organisation for opportunities to join forces with bodies outside of the IFIP family, including international agencies, governments, NGOs, and businesses to the advantage of all parties. Our goal is to bring our resources and leadership to the table, for mutual benefit. Let's enable responsible and resilient digital transformation.

IP3 Thematic Workshop – 30 May 2022 (Hybrid)

The workshop: The "Monster" that is threatening global destruction can transform into the world's saviour. (Mobilizing the hi-tech sector to ensure a sustainable world by solving the problems caused by the development and use of modern technologies), was in person and remote.

Speakers

- Eliezer Manor - Shirat Enterprises, International Serial Entrepreneur & Venture Capitalist: *"Hi-tech to the rescue: resolving the problems of climate change and unequal school education."*
- Robin Raskin - Founder: The Virtual Events Group: *"The Role of Governments in the Metaverse"*
- Stephen Ibaraki - Serial entrepreneur, investor, and futurist: *"The Metaverse's 12 Trillion Economy Powering Digital Reshaping and Transformation."*
- Anthony Wong – IFIP President Elect: *"Legal reverberations of the Metaverse and NFTs" (in person)*
- Mike Hinchey – IFIP President: *Closing Remarks (in person)*
- Moderator: Moira de Roche *(in person)*

The first three speakers delivered their presentations remotely.

Click [here](#) to view recordings and outcomes of the forum.

IFIP 60 Anniversary events

I joined the panels for some events, including:

- Strategic Collaboration of Certification and Education on Data Science (Moderator)
- IFIP Code of Ethics and Professional Conduct
- “Never waste a good crisis: building a trustworthy digital infrastructure” – co-hosted with IT Professionals Europe.
- Finale with UNESCO

Details of all events can be found [here](#). Congratulations to Anthony Wong, who led the project, the team from GI who did an excellent job with marketing the entire series of events and promoting IFIP, and everyone who participated as a speaker or delegate.

David O’Leary Award

The competition was postponed in 2020 because of the pandemic. However, we decided that it should not be postponed a second time so asked for nominations for 2021. Four nominations were received, and a panel of three GIC directors was convened. The winner of the award was Don Gotterbarn, in recognition of his work as an Ethics ambassador, and much more. Because GA 2021 was held virtually, Don was invited to attend GA 2022 to receive his award in person (he was acknowledged at GA 2021).

Nigeria Computer Society conference

I was invited to keynote at this conference “Smart, Secure, & Sustainable Nation (S3N 2022)” in Abeokuta, Nigeria from 2 to 4 August 2022. My presentation “Trust and Sustainability in Smart Systems” explored why trust is so important, and how a professional ICT workforce enables trust.

This was an excellent event – well run, and with excellent content. For more information, visit the [conference website](#).

In the Critical and Emerging Technologies for National Security plenary, TC11s Steve Furnell presented on Analysing General Cybersecurity Landscape Towards Sustainable Development. I was particularly impressed by two senior military officials: Chief of Defence; and Chief of Naval staff’s presentations on the challenges of cyber-security that the armed forces are facing.

I must thank the NCS President and Vice-President, as well as the conference organisers for how well they looked after me. I was afforded the opportunity to visit the Olusegun Obasanjo Presidential Library – which gave me a wonderful insight into a truly great leader.

Thought Leadership from Global Industry Council

A Thought Leadership paper “Coping with the Monster that has risen up against its creator” was authored by the IFIP IP3 Global Industry Council, a forum where ICT Leaders from around the globe consider aspects which affect the ICT profession, and all organizations who deploy digital technologies. It is a call to the UN and its agencies to consider new approaches when working with government and global business to implement and measure the SDGs with some urgency. Several large companies already account for their efforts in their sustainability reports, but this must become the norm. Start-ups should also be encouraged to think about sustainability from inception, and investors have a role to play in promoting and supporting this.

We realise that this paper is controversial but are certain that this stance will draw attention to the paper.

Download the paper [here](#). The paper is a call to action. We are aware that some member societies, and TCs and working groups are studying sustainability issues. Further investigations and collaborations are required to put thought into action.

TC11/IP3 collaboration on cyber-security

A task force was convened to consider how to navigate the cyber-security landscape, given the plethora of frameworks that exist. We have no plans to create a new framework, but rather a navigation tool that will help anyone assess what frameworks and tool are out there, and which would best suit their needs. Cyber-security, together with climate change is what keeps company board members awake at night.

When we were at the WSIS at the ITU premises in Geneva, we took the opportunity to meet with an official who has a responsibility for cyber-security. We agreed to collaborate on this matter and work on this is progressing. We are confident that we will have significant outcomes and results in the coming months.

Member Society reaccreditations

Several member societies are up for reaccreditation, with one new society in progress. I am pleased with this activity. For mor information, see the report by Vice-chair Adrian Schofield on page

I said at the WSIS Inauguration that it is only when we look back that we see how much we have achieved, and writing this report was no different. I must thank the IP3 board, the Global Industry Council, and everyone who participated in our workshops for their time and commitment during the past year.



Moira de Roche FIITPSA PMIITPSA IP3P
September 2022

IP3 Deputy Chair Report 2020

The need to address the negative downsides of emerging technologies have increased in urgency as the adverse potential impact could be significant in specific critical domains. If not appropriately addressed, human trust will suffer, impacting on adoption and oversight and in some cases posing significant risks to humanity and societal values.

ICT scandals and mishaps continue to rock and illuminate our human values around the world. The disastrous Australian Robodebt saga and the Dutch childcare benefit scandal¹ are two examples of wake-up calls for action. The Australian government recently established a Royal Commission into the disastrous Robodebt saga which unlawfully sent automated debt collection notices to vulnerable 400,000 Australians.²

It would be beneficial to society for ICT professional societies to ensure that the issues are widely debated, so that appropriate and intelligent decisions can be made to mitigate the risks and challenges ahead, including during the design and lifecycle of systems. ICT professional organisations understand better than most in relation to the trends and trajectories of emerging technologies and their potential impacts on the economic, safety and social constructs of the workplace and society.

In 2021, the Australian Human Rights Commission, after a **three-year national investigation into human rights risks posed by new and emerging technologies**, published its final report on Human Rights and Technology.³ The report sets out a roadmap for responsible innovation—taking advantage of the promise of new technology, while upholding human rights. In one of its recommendations to the Australian government, the report calls for **the accreditation or certification of professionals** who design AI.⁴ The Report also recommends that professional regulatory and organisational bodies advocate for inclusivity and accountability when new technologies are developed and used in ways that safeguard human rights.

These sentiments have also been reflected in other reports including the report from the Australian Productivity Commission which advocates for industry certifications and short courses that could help build knowledge at a time when skills shortages are holding back adoption of digital technologies and cyber safeguards.⁵

As Chair of the IFIP 60th Anniversary, I am pleased to report that IP3 have contributed various virtual webinars over the course of 2021, including:

¹ <https://www.amnesty.org/en/latest/news/2021/10/xenophobic-machines-dutch-child-benefit-scandal/>;
<https://www.bbc.com/news/world-europe-55674146>

² [Govt announces Royal Commission into Robodebt | Information Age | ACS](#).

³ [Human Rights and Technology Final Report \(2021\) | Australian Human Rights Commission](#).

⁴ [Ibid](#) at page 32.

⁵ [Universal core cyber skills needed to bolster Australia's online defences - Cyber Security Connect: Shifting the Dial: 5 year productivity review, Future skills and work, Chapter 3.4: Independent skills assessment framework to support innovative forms of learning](#), last reviewed August 30, 2022 (<https://www.pc.gov.au/inquiries/completed/productivity-review/report/3-future-skills-work>).



Following the adoption of the **IFIP Code of Ethics and Professional Conduct** at the IFIP General Assembly (GA) held on 24th September 2020, IP3 and TC9 hosted the webinar as part of #ifip60:



There is a growing awareness and consensus that ethical principles and frameworks including professional code of ethics and conduct, play important roles in the wider technology governance ecosystem. The other facets of the governance ecosystem include relevant policies, laws and regulations, standards, technology by design and impact assessment frameworks, audits and certification.

IP3 also participated with IT Professionalism Europe (ITPE) to celebrate #ifip60 with an online conference on IT Professionalism in 2021:

IT Professionalism Europe (ITPE) & IP3 celebrated #ifip60 with an online conference on IT Professionalism

«Activities within IP3 for me are around two topics: building and creating trust in the IT profession, and preventing a digital divide.

The future of Information processing can play a distinctive role in the development of a sustainable world.»

Liesbeth Ruoff
IFIP IP3/Royal Dutch Association of Computer and Information Professionals (KNVI)

- 9 November online conference on IT Professionalism, entitled "Never waste a good crisis: develop a trustworthy digital ecosystem"
- Overview from Niels van Weeren (Randstad) - latest market insights on workforce skills
- Jakub Kajtmán of DG CNECT - European Commission outlined EU context on skills and cooperation with recently launched [Digital Skills and Jobs Platform](#)
- Mary Cleary (ICS) presented on the developing European standards of IT professionalism
- Jutta Breyer, hosted an interactive session on European activities and practical examples of applying standards in different companies
- Two panel discussions :
 - Role of standards and related digital transformation-related IT skills shortages –affect 90% of organisation by 2025, costing more than \$6.5 trillion globally between 2021 and 2025 (source: [IDC](#)).
 - International initiatives for accountability and trust in the digital sector

In addition, IP3 also contributed to the #ifip60 Faces:



Over the 2022 year, IP3 also participated in various events and activities related to ICT Professionalism, including a workshop on 30 May 2022 at the **World Summit on the Information Society (WSIS) Forum 2022**. The session, 'The "Monster" that is threatening global destruction can transform into the world's saviour' considered 'Mobilising the hi-tech sector to ensure a sustainable world by solving the problems caused by the development and use of modern technologies, with a focus on the Metaverse'. Refer for details: <https://www.ifipnews.org/ifip-goes-meta-wsis-forum/>.

IFIP and IP3 joined the International Young ICT Group – InterYIT – on a Thematic session on Intellectual Property Rights for Information and Communication Technology at WSIS 2022. This focussed on how IP culture is developing as an area of importance for the new creativity and opportunities today's youth are exploring through start-ups and innovations. The thematic session involved a panel of 12 speakers from around the globe who shared their thoughts, moderated by InterYIT Chair, Dr Amit Joshi.



Refer for details: <https://www.ifipnews.org/ifip-intervit-hosts-panel-session-wsis-forum-2022/>.

In addition to the events and the presentations, the delegation also took the opportunity to meet with senior officials at ITU, UNESCO and CSTD: https://www.linkedin.com/posts/wonganthony_ifip-unctad-un-activity-6938145374662463488-Si15?utm_source=share&utm_medium=member_desktop.

Joint IP3 and TC 11 Taskforce on Cybersecurity Skills & Competencies

As reported last year, IP3 formulated a plan with the chair of TC 11 on a project that aims at taking stock of cybersecurity skills / competences frameworks and at providing guidance to companies and governments when choosing an appropriate framework in support and furtherance of the Jun 2020 UN Secretary-General's Roadmap for Digital Cooperation (un.org).

The project proposal was developed by Steve Furnell, Leon Strous, Moira de Roche, and Anthony Wong over the course of 2021. The work and collaboration with ITU have commenced, after a receptive meeting in

Geneva. ITU is the UN agency working on Cybersecurity. The project which is currently being scoped will be led by the Chair of IP3 with TC11 Steve Furnell, with contribution by Past President, Leon Strous.

It is my pleasure to report that ACS Vice President, Jo Dalvean has been appointed to represent ACS on IP3 and that the ACS has finalised the reaccreditation documentary submission to IP3.

Anthony Wong

IFIP IP3 Deputy Chair

August 2022

VC Standards and Accreditation

Adrian Schofield from the Institute of Information Technology Professionals South Africa (IITPSA) has completed his eighth year as convener of the Standards and Accreditation Council (SAC).

The role and function of the SAC is to:

1. Establish and maintain standards, policies, and procedures for the accreditation function
2. Manage the accreditation function, including the recruitment, appointment, and training of assessors
3. Ensure compliance with the standards, policies and procedures and ensure consistency of decisions by assessment panels, including an audit function if required
4. Provide an assistance service to IP3 members in planning for accreditation provided that such assistance service does not compromise standards or the integrity and independence of the assessment process
5. Establish a working relationship with the Seoul Accord.

We have continued to meet our objectives for the first four of these activities but have done little to further the relationship with the Seoul Accord in recent years.

We have reviewed the need to include Cybersecurity specialism into accredited schemes, as has been done by the Australian Computer Society and is being planned by IITPSA in South Africa. Documentation for this will be issued for comment in line with the ACS re-accreditation (see below).

We have not needed to recruit any additional assessors, nor have there been any assessment activities requiring audit. Planned assessment activities continue to be carried out remotely. Although no longer constrained by COVID travel restrictions for most territories, remote assessment has proved to provide effective outcomes at low cost.


We note that the ACS accreditation was due for renewal at the end of 2019, but the submission of the application has been postponed, pending the finalisation of the restructuring processes at ACS. Two years later, the restructuring has been completed and we have received their draft application in August 2022. We anticipate finalising the application and carrying out the assessment before the end of October 2022.

We are pleased to report that CSSL (Sri Lanka) has drafted their first application for accreditation, and this has been reviewed by our Chief Assessor. CSSL's Board is currently reviewing this feedback, prior to completing the next draft.

We accept that the road to accreditation is a long one and that there will be periods of no visible activity while preparations proceed behind the scenes. The IP3 Guide to Accreditation provides IFIP member societies with an overview of the processes as they consider the resources required for accreditation. The 2020 edition of the full IP3 accreditation guidelines (Version 8) provides the detailed template for all societies interested in being accredited and is available on request. IP3 assessors are available to consult with societies who seek guidance on how to meet the IP3 compliance standards for their professional grades of membership and in the compilation of their applications for accreditation.

Following input from IPSJ (Japan), the SAC has commenced the investigation of the feasibility of becoming an accreditation body recognised in compliance with the relevant ISO-IEC standards (17011, 17021, 17024) and meeting the standards of ISO-IEC 24773, as applied to software and systems engineering professionals.

I thank the members of SAC and the assessors for their support and input.



Adrian Schofield, FIITPSA PMIITPSA IP3P
August 2022

VC Strategic Relations & Global Industry Council

The work by Vice-Chair Stephen Ibaraki provides unique and broad opportunities to position IFIP and IP3 with many diverse audiences to grow recognition, brand, and membership. Stephen contributes globally “daily”, all pro bono, as Chairman, Founder, Board member, Speaker across: Business, investments, venture capital; serial Entrepreneurship/startups; no.1 global computing Science organizations; UN innovation programs; top CEO/Industry-organizations/think tanks, no.1 Summits (acronym BE-SUN-CIS). 300+ global engagements annually impacting \$100+ Trillion in sustainable investments.

Due to the extent of these activities only a small sampling is listed in summary and point form:

In 2021, **Stephen renewed the IFIP Global Industry Council (GIC) who have undertaken multiple projects for 2021/2022.** The new GIC consists of:

[Ashley Casovan](#), Executive Director: Responsible AI Institute

[Eliezer Manor](#), Shirat Enterprises, International Serial Entrepreneur & Venture Capitalist

[Mark Mueller-Eberstein](#), Founder: Adgetec Corporation

[Moira de Roche](#), Chair IFIP IP3, Vice-President IFIP

[Robin Raskin](#), Founder: The Virtual Events Group

[Stephen Ibaraki](#), Serial entrepreneur, investor, and futurist

[Tan Moorthy](#) Executive Vice-President, Head Delivery Operations Americas; Global Head Education, Training & Assessments, Infosys

GIC project examples:

Judging the David O’Leary Award, funded by REDDS Capital / Kay Family Foundation, for 2021 with Don Gotterbarn recipient of the award.

Participating in a session for the IFIP 60th anniversary event: ““Never waste a good crisis: building a trustworthy digital infrastructure”

Providing introductions to senior UN and UN ITU executives prior to WSIS to initiate meetings while at WSIS for IFIP/IP3 executives

Speaking at the IFIP/IP3 UN ITU WSIS workshop on the metaverse

Authoring a paper on The Monster about leveraging tech for good working with countries, UN, CEOs and published on the IP3 website

Speaking on the metaverse at the UN ITU #aiforgood plenary metaverse forum

Working on Proposal for CES or other Panel 2023

Working on Infographic on Major Themes

Proposal for Young Innovators --- youth moving towards our themes - execution Q2 2023

GIC Themes for 2021-2022:

Focus on future of works/skills and education which includes entrepreneurship, SDGs, digital skills/reshaping due to pandemic, diversity, inclusion, youth - leveraging our uniqueness as the largest federation of computing organizations founded by the UN in 1960.

Stephen Ibaraki activities (active 140 hours plus a week), all pro bono (donated) including the covering all of costs and staffing for the pro bono work. Example: interviews infrastructure (servers hosting, editing, software, staffing):

For 2021--Stephen interviewed IFIP IP3 Chair Moira de Roche and IFIP IP3 Deputy-Chair Anthony Wong. Interviews appearing in several non-profit channels such as in CIPS, NPA, IEEE TEMS, IFIP, ACM (interviews appear with the widely read ACM Education Centre Bulletins), KNVI, IEEE HQ (for IEEE parent organization – new in 2022 for major IEEE awardees). A new channel added in 2022, The Brand Called You which appears in all major podcast outlets.

For 2022—Stephen interviewing IFIP IP3 Chair / Vice-President IFIP / GIC Director, Moira de Roche, 30 August 2022. The interviews targeted for a Forbes article where 2-4 articles appear monthly. For interviews targeted for Forbes articles, Stephen also does a post to the Forbes article in LinkedIn to his 30K contacts (30K is the maximum); these posts also go public and into Twitter

Recent Examples:

[Article: LinkedIn](#) post: Top 11 Purposeful Leaders-Women Positively And Inspiringly Impacting The World

[Article: Terasaki Institute Top Biomedical Innovations Transforming The World In 2022](#)

[Article: TOP 10 OMNI WISHES FOR 2022 WITH EXPONENTIAL IMPACT](#)

[Article: IEEE Top 2022 Medal of Honor Awardee, Dr. Madni Shares Deep Lessons](#)

[Article: 2022 Neil Trevett's Top Insights-Chair Metaverse Standards Forum, President The Khronos Group](#)

[Article: ACM 75 Years No 1 Computer Science - Interview 2022 New President Yannis Ioannidis](#)

[Article: MIT Media Lab Fluid Interfaces-Prof Maes Team 2022 Top Research Powering Humans](#)

[Article: Jack Dongarra ACM Turing Awardee For Pioneering In Outstanding World-Changing Computations](#)

[Article: 2022 ACM Awardee Prof Abbeel For Top Work In AI And Robotics](#)

[Article: UNESCO International Research Center Spotlights In 2022 Global Top 10 Outstanding AI Solutions](#)

The more than 100 interviews conducted for 2021/2022 can be viewed with IFIP IP3 member CIPS

<https://cips.ca/community/>. Other examples of notable interviews include two with John Hennessy, president emeritus Stanford University, ACM Turing Awardee, chairman of Alphabet; David Beasley, executive director, World Food Programme which received the Nobel Peace Prize in Dec 2020; IFIP member, KNVI chair Wouter Bronsgeest; Keith Strier, VP Worldwide AI NVIDIA, chairman of OECD's AI Compute Taskforce. All interviews are available to appear with IFIP news. IFIP member leaders interested in being interviewed can contact Stephen directly.

Stephen works with major UN agencies such as ITU, World Food Programme, World Health Organization, and UN HQ NYC and can leverage these strategic relationships to provide introductions to IFIP members or provide requests to UN agencies from IFIP members.

In 2022, The IFIP IP3 David O'Leary award continues for outstanding ICT professionalism (cash prize and travel to IFIP General Assembly from REDDS Capital group (Stephen is Chairman)). The first recipient of the award was given out at the 2019 IFIP General Assembly to ICS Deputy CEO Mary Cleary. Nominations are again sought for 2023.

For 2022, Stephen continues his global contributions captured by Microsoft from receiving his 20th Microsoft global award in July. Stephen can leverage this strategic relationship to provide requests to Microsoft and introductions to IFIP members.

Stephen contributed many articles for Forbes, IT World (Canada) as noted earlier.

Stephen contributes daily to posts on LinkedIn where he has been at the maximum allowed contacts of 30K for many years. Stephen can leverage these first level contacts to provide requests to 30K leaders and introductions to IFIP members.

The ACM is the No.1 computer science research, innovation, educational organization in the world and an international member of IFIP. Stephen is ACM Practitioner Board member and past chair; Stephen is chair of the board professional development committee (PDC) responsible for ACM education programs through the ACM Learning Center and sits on the PDC TechTalks committee. Stephen also supports the board ByteCast Committee and the Local meetups/mentors committee. Stephen also has various roles within the IEEE community, serving on board committee, interviews appearing within IEEE TEMS, and is keynoting several of their conferences in the fall of 2022.

Stephen is supporting CEO clusters globally working with more than 400,000 CEOs, investors, scientists and notable experts. Example: Stephen is the founding chair of the advisory board for YPO impact and previously YPO EIS20. YPO is the largest non-profit notable CEO organization: 30K CEOs, \$ 9 Trillion annual revenue, across 142 countries. This provides opportunities for IFIP member partnerships.

Stephen as founder, UN ITU AI for good, <https://aiforgood.itu.int/>, is continuing to provide active support and can provide requests to the UN ITU and introductions to IFIP members. #aiforgood celebrated its 5th anniversary this year.

Stephen contributed the forward to the Smart Humanity book from IFIP member KNVI where Wouter Brongseest, Sandra de Waart are co-authors with contributions from more than 35 leaders. This book is an initiative of IFIP member, the KNVI, the Royal Dutch Association of Information Professionals. The book is featured and recommended in Stephen's keynotes.

Stephen works daily with CEOs and two keynotes examples are: VL annual summit to 4000 CEOs, captured in this VL article <https://vl.dk/en/2021/03/he-teaches-governments-and-leaders-to-use-ai-to-create-a-better-world-and-business/> and the AI Expo Africa conference (the largest B-B, B-G conference) <https://aiexpoafrika.com/2021/06/09/stephen-ibaraki-ai-expo-africa-keynote/>. These provide opportunities for IFIP member partnerships, make requests from IFIP members and provide introductions to IFIP members. Stephen is also working with the sustainable finance / ESG chair that manages about 15 Trillion US in ESG financing and has been invited to support Africa's special bank in deploying US \$6 billion into Africa development and innovation.

Stephen is invited to speak and supporting the organization of the United Nations General Assembly week Sept 21-23 private CEO Summit held in NYC. This is for a community of 500 multinationals with at least US 4 billion in annual revenue. During the same week, Stephen is invited to speak in NYC at another CEO private summit focused on CEO purposeful impact. In August, Stephen was introduced to the chair of another group of 600 multinational CEOs focused on purposeful leadership. There is much more.



**Stephen Ibaraki - GIC Founding Chair; Vice Chairman IP3 Board (representing GIC and Strategic Relations)
August 2022**

Member Association Reports

Australian Computer Society (ACS)

Overview of Society

The Australian Computer Society (ACS) is the largest professional association and peak body representing Australia's ICT sector, with 35,000 members. ACS delivers authoritative independent knowledge and technology insights, building relevant technology capacity and capability that catalyses Australian innovation and speeds the adoption of technology for the benefit of commerce, government and society.

Membership and profile

The Australian Computer Society (ACS) has the following membership grades:

- Associate – AACS
- Member – MACS
- Senior Member – MACS (Snr)
- Fellow – FACS

Areas of operations

ACS has branches in each state and territory, as well as overseas members.

Region

Australia Asia Pacific/ Oceania

Key activities related to ICT Professionalism

Key professionalism-related activities for the year included:

- **Strategic planning:** ACS consulted with members and stakeholders and drafted a new strategic plan. With the arrival of new CEO Chris Vein in July 2022, this is now being reworked and finalised.
- **Membership:** The ICT workforce is now growing at 8% pa but ACS core membership has not been growing. ACS product and services relevance was tested by a brand health tracker research and member journey mapping project. A persona-driven product and service prioritisation process was agreed and is in progress. ACS put a renewed focus on corporate partnerships and SFIA-based workforce development services to build membership and certification numbers.
- **Events and professional development:** ACS recommenced major event delivery after COVID postponements including the ACS flagship Reimagination thought leadership summit and Digital Disrupters Awards. Major events remain challenging. Online CPD events continued but with a gradual return to more face-to-face activities.
- **Professional Standards Scheme:** ACS Certification is recognised by Australian federal, state and territory governments through a Professional Standards Scheme, along with other professions. ACS made improvements and approved funds for further scheme enhancements in the year ahead.
- **Promoting ICT studies and careers:** ACS broadened its range of outreach programs and grew its online community of over 1000 ICT school teachers, with knowledge sharing and teaching materials.
- **Accrediting ICT higher education programs:** ACS accredits over 350 ICT related degree and masters programs at over 40 Australian universities and higher education institutions. ACS is a signatory to the Seoul Accord and had its accreditation system reviewed during the year and reaccredited by the Seoul Accord for another six years.
- **Professional Year Program growth:** ACS delivers a 44-week program for international students on graduation to develop workplace and ICT practice skills, and this has government recognition as workplace experience for the purposes of skilled migration. Demand strengthened through the year and ACS refined a successful virtual internship program that was developed in 2020 in response to COVID market conditions.

- **ICT workforce diversity:** ACS commenced new programs to support indigenous, female and mature aged worker entry to the ICT workforce.
- **Skilled migration:** ACS continued its role as an assessing authority for skilled migration and worked with the government on initiatives to better support skilled migrants in entering the Australian workforce.
- **Thought leadership publications:** Key publications for the year included *ACS Australia's Digital Pulse*, *Computer Education in Australian Schools*, *Sharing Data and Trusted Frameworks*, and *Demands and Impacts on Tech and Digital Skills*.

ACS Member Certification and IP3 Accreditation

In 2000, the ACS was admitted to the Australian Council of Professions—now Professions Australia, making the ACS, one of the first computer societies in the world to achieve this status. Professions Australia is the peak body for all professions in Australia including doctors, lawyers, accountants, engineers, and other professions.

ACS' contribution to promoting global standards for professionalism in ICT is long and distinguished. ACS is one of the founding partners of IP3 and was the first computer society to have their certification program accredited by IP3. The accreditation applies to the Certified Professional (CP) at SFIA Level 5 and Certified Technologist (CT) at SFIA Level 3.

In addition, ACS has been able to advocate for the establishment of professional ICT benchmarks through legislation in Australia including the:

1. Professional Standards Legislation: The IP3 accredited certification is recognised under the Professional Standards legislation: www.psc.gov.au/professional-standards-schemes/what-are-schemes. This recognition is administered by the Professional Standards Councils in Australia. Certified Professionals are protected by a special ACS member insurance policy and capped liabilities under Professional Standards legislation.
2. Professional Employees Award 2010: which defines minimum wages and employment conditions for ICT professionals.

The Australian Government has launched the Digital Profession initiative to address current and future digital capability needs for the Australian Public Service. The Australian Government has made the Skills Framework for the Information Age (SFIA) free for all Australians and will manage the Australian country-wide SFIA license (SFIA-AU) on behalf of the Australian Government.

ACS is overdue for re-accreditation of its professional certifications by IP3 but developed and submitted a draft for informal IP3 feedback during the year. ACS has since made a final submission for IP3 review in August 2022.

Canadian Information Processing Society (CIPS)

Overview of Society

The Canadian Information Processing Society is a federation of 10 Provincial Member Societies. The core functions of Provincial Societies include meeting the legislative requirements associated with their Acts, protection of the public from the misuse of technology, certification, and overseeing a complaint and disciplinary process brought against any of their members.

All Provincial Societies come together to set National policies and standards to facilitate the portability of IT professionals across Provincial Societies. Provincial Societies have outsourced the day-to-day administration of maintaining a member database and assessing applications for certification to the National body. The CIPS National body is also responsible for the accreditation of computer science, software engineering and interdisciplinary programs offered by Universities and Colleges.

Activities in 2021-22

CIPS continues to execute initiatives that align with the National Plan-Strategic Roadmap. Those initiatives include:

- Re-building the CIPS brand
- Supporting members professional development
- Improving national office operations

CIPS National is continuing to reach out to “sister” organizations to build the concept of a Canadian IT Community. The intent is to collaborate with aligned organizations to help develop the pool of competent, ethical IT talent in Canada. To that end CIPS is negotiating or has signed MOUs with CIO-CAN, CS-Can and is participating in sessions with Federal Immigration and Federal and Provincial Labour Departments.

To support professional development, we are expanding access and capabilities of the Skills Tx tool we are using. We are continuing to add Canadian IT role profiles and working with training providers to add courses to the list of courses linked to the tool. We are seeking funding to help map courseware to SFIA attributes to allow members to select the course that best suits them while improving their knowledge. We have been given permission by Infosys and AWS to use their free courseware for member training.

In March this year the National Board approved the adoption of the IFIP Code of Ethics, and each provincial society is going through the necessary steps to formally adopt in their respective Society. CIPS has also developed a national annual Marketing plan broken down by months and themes. The plan is continually updated with events from partners in Canada and beyond to allow members to choose topics that assist them staying current. This coming year (2023) will be CIPS’s 65th Anniversary and a number of plans to celebrate are underway.

As CIPS (and the world) comes out of the pandemic lockdown we anticipate many more member in person events and a return to “normal”. We are looking forward to continuing to build the Canadian IT Community with all stakeholders, Academia, Industry, Government and other associations and organizations. Canada’s future success will rely on having enough competent and ethical IT professionals to enable growth. CIPS and our partners will be doing everything we possibly can to help that happen.

Computer Society of Sri Lanka

Overview of Society

The Computer Society of Sri Lanka (CSSL) which was established in 1976 is the apex professional body representing Information and Communications Technology (ICT) professionals in Sri Lanka.

CSSL as the national ICT professional's association, has been playing a pioneering role in fostering and promoting professionalism amongst professionals in the field of Information and Communications Technology (ICT) and as the longest standing ICT body in the country.

Membership statistics and profile

Class of Member	Number of Members
Student	8961
Associate	787
Professional	2102
Fellow	24

Region

Asia - South Asia

Key activities

- The National IT Conference (NITC) of Sri Lanka is organized by CSSL and has successfully conducted for 39 years. 40th Anniversary Conference NITC2022- Digitally Enriching Lives is scheduled on 12th and 13th Oct 2022 at Shangri-La Hotel Colombo Sri Lanka.
- The National Schools Software Competition (NSSC), which is a nation-wide software competition for school children is also conducted by CSSL.
- The CSSL National ICT Awards recognize best performing ICT Professionals enabling to elevate them to leaders at the global stage.
- The CSSL has taken a keen interest on playing an active role in making national policies related to the Digital industry and formed a CSSL policy advocacy committee in 2021. Recommending and lobbying for digital industry policy priority is the mandate of the CSSL Digital Policy Advocacy Committee. In 2021 CSSL Conducted 3 National Policy Dialogues and submitted national budget proposals through policy advocacy initiative. In the past CSSL was a key stakeholder of discussions around Free Trade Agreements between Sri Lanka and other countries.
- The CSSL has a Women in IT (WinIT) Special Interest Group and engaged in development of Women ICT leaders in the industry a GenZ CSSL Student Chapter Network in Sri Lankan Universities develop future ICT leaders and to promote Entrepreneurship amongst the student Community.
- We have also taken a keen interest in latest developments and discussions around social media. CSSL conducts Digital Citizenship, Safety and Hygiene train the trainer workshops for various divisions of Ministry of Education since 2021 and continue in 2022. CSSL propagates the need to maintain social media platforms hate free and tackle other negative imperatives, whilst ensuring free access and freedom of speech. In this regard, the CSSL work with social media Working Groups of Sri Lanka.
- CSSL organizes Tech Talks every quarter for discussion and knowledge-sharing on latest technologies among ICT professionals. The CIO Forum is organized for the same purpose but targets senior professionals such as Chief Information Officers and Heads of IT.

Regional and Global alliance

The CSSL is a member of the Southeast Asia Regional Computer Confederation (SEARCC) and International Federation for Information Processing (IFIP). CSSL is achieved provisional signatory status of Seoul Accord, the internationally acclaimed computing degree accreditation program through which CSSL has been able to bring international standards on ICT related degrees to Sri Lanka. CSSL accredits local computing related degrees and CSSL Accreditation Board (CSSLAB) comprises independent members from academia and the industry.

IP3 Accreditation

CSSL has submitted the draft application for IP3 Accreditation on 30th August 2022 and has aspiration to achieve the FY2022 Society objective of achieving the IP3 accreditation by 31 December 2022.

Computer Society of Zimbabwe (CSZ)

Overview of Society

Computer Society of Zimbabwe has a total of 484 comprising of institutional members and individuals. Website: www.csz.org.zw CSZ also has presence on social media namely, Twitter, Instagram, Facebook and LinkedIn.

There is a huge drive to grow the membership of the society. There are various initiatives that are being introduced to facilitate this.

The CSZ is elated to be welcoming its 2nd female president. Joice Benza was elected the President of Computer Society of Zimbabwe in August 2022. This is a milestone for the society which has had mostly male presidents and one female president in all the 48 years that it has been in existence. Joice is a long-standing member of the society. She comes in with a wealth of experience as she sits on various boards, runs her own consultancy, and is a long-standing Rotarian. She has been in the IT industry for many years.

Key activities this year - events

CSZ has managed to run events successfully despite the numerous challenges the country faces. In November 2020 the society hosted a 3 day Summit and attracted over 100 delegates attending in person and about 30 attending online. This event was held at Troutbeck Inn in Inyanga, the Eastern Highlands of Zimbabwe. This event was hybrid event with speakers in person and some online. The Minister of ICT Postal and Courier services, Hon. Jenfan Muswere was the guest of honour. He officiated at the summit in person which was a welcome move.

2021 saw another 3-day summit being held at Elephant Hills Resort in Victoria Falls. This event attracted close to 200 delegates in person and a few attending online. The Minister of ICT Postal and Courier services, Hon. Jenfan Muswere was the guest of honour. He officiated at the summit in online as he had last-minute changes to his travel arrangements. He had intended to attend in person. This event attracted local, regional international speakers. It was a high-profile event.

The Winter School was re-introduced in June 2022. It was run in Bulawayo, Zimbabwe. The focus was on Cybersecurity, Robotics and process automation. The participants were taken through a training on these areas.

The society is running another summit in November from the 9th to the 13th at the Elephant Hills Resort. The theme for this year's event is **"Rethinking the future, leveraging on emerging technologies"**.

Regional and Global alliances

In June 2022, CSZ managed to get its ICDL License renewed for a further 5 years. CSZ has been running the ICDL program in Zimbabwe and Zambia since 1999. The program has facilitated over 110000 people to certify on the ICDL program. This program has been widely adopted by private schools as well as corporate organizations within the country.

The ICDL main Headquarters is in Dublin, Ireland with regional offices in Kigali, Rwanda for Africa, Brussels for Europe, and Panama for Americas.

Information Processing Society of Japan

Overview of Society

Information Processing Society of Japan (IPSJ) was founded in 1960 and has 20,164 individual members and 255 corporate members as of March 2022. IPSJ has an objective to contribute to the development of science, culture, and industry through the promotion of academic and technical activities in information processing with a focus on computers and communication.

IPSJ has a broad range of activities including 41 SIGs in the domains of Computer Science, Information Environment, and Media Informatics, annual national conventions, hosting of international conferences, contribution to international standards, and contribution to IT education. IPSJ publishes IPSJ Magazines, Journals of Information Processing (JIP), Transactions in 10 areas, and DP (Digital Practice) Reports.

IPSJ aims to enhance its value by providing services to public society such as proposals to the Japanese government, as well as extending collaboration with professionals in the industry through the event IT Forum founded in place of Software Japan, the communities called IT forums, and the certification of high-level IT Professionals called Certified IT Professional, CITP.

IPSJ has a global relationship with IEEE-CS, ACM, KIISE, CCF, etc.

IP3 Accreditation

IPSJ was accredited by IP3 in February 2018 on its certification system of Certified IT Professionals (CITP). The system is operated in two methods: the direct method and the indirect method.

IPSJ certifies individuals by examining application documents that describe the applicant's knowledge level, and the demonstration of skill and competency in business experiences, in the direct method. This operation is performed twice a year. The evaluation is based on the Skill Standards for IT Professionals (ITSS) developed by the Ministry of Economy, Trade, and Industry. IPSJ started the first public operation of this method in June 2014 after two piloting operations in 2013. As CITP has an effective certification period of three years, the renewal process of CITP was put into practice in 2016.

In the indirect method, IPSJ accredits internal certification systems of companies if they are comparable to the direct method explained above. This operation is performed once a year. Once accredited, IPSJ issues the certificates of CITP to the professionals certified within the companies based on the requests from the companies. This is a kind of Trusted Source Arrangement. IPSJ started the first public operation of this method in the fall of 2015 after a piloting operation from September 2014 to April 2015. The effective period of accreditation is 5 years.

As of March 2022, 10,650 CITPs have been certified including the ones certified through the indirect method. By the indirect method, six internal certification systems of companies have been accredited. CITPs had established a professional community called "CITP Community" and held meetings every two months. They have organized special interest groups (SIGs) in five areas: civic tech, the transmission of knowledge, support of programming education, communication among around-thirty-year-old engineers, and advisory to the CITP scheme. The community is continuously organizing its session at the IT Forum and Software Japan each year since 2016.

In April 2019, IPSJ also recognizes a Professional Engineer, Japan (P. E. Jp) where the technical discipline is Information Engineering (Computer Engineering, Software Engineering, Information Systems & Data Engineering, Information Network Engineering). The qualification will be registered as a CITP. If the registered P.E. Jp can formally prove CPD (continuing professional development) and periodical updates of their certification, they can also use the proof for CPD and periodical re-certification to CITP. Approximately 100 P. E. Jp's have registered as CITP in response to this arrangement as of August 2021.

The international standard of professional certification, ISO/IEC 24773:2008, Certification of software engineering professionals - Comparison framework, is being revised at ISO/IEC JTC1/SC7/WG20. The new 24773 is a conformance standard for certification schemes for software and systems engineering. IPSJ joins this revision project by appointing a co-editor. The standard has four parts. Part 1 is "General Requirements" and was published in March 2019. Part 2 is "Guidance Regarding Description of Knowledge, Skills, and Competences in Certification and Qualification Schemes." Part 3 is "Systems Engineering" and was published as an IS in September 2021. Part 4 is "Software Engineering." Publication of Part 2 and Part 4 IS are expected to be in 2023 or 2024. ISO/IEC 24773 is expected to give a significant impact on the certification system accredited by IP3 and the IP3 accreditation system.

IPSJ developed and published a curriculum standard for university-level education majoring in data science in April 2021. The curriculum standard covers a wide range of related fields to ensure international compatibility through mapping to the ACM Data Science curriculum and the European EDISON Data Science Framework. It also collaborates with the IPSJ Data Scientist certification.

As a part of the IPSJ Data Scientist certification, IPSJ has accredited an internal certification including the data scientist certification of Hitachi, Ltd in September 2021. IPSJ also announced its data science strategy in April 2021 and declared to develop a framework including the collaboration of data science education at school and university, and data scientist certification in the industry.

In 2022-2023, IPSJ is taking the IP3 re-accreditation. The newly developed certification system for data scientists will be reviewed through accreditation.

IT Professionals New Zealand

Overview of Society

IT Professionals NZ (ITP) is a community of thousands of professionals who work in the IT industry and care about professional practice, support professional development, set standards, and work hard to help other members get ahead. With a history spanning more than 60 years, ITP is the largest and most trusted tech body in New Zealand.

ITP works hard to improve both the education and professional development of those broadly working with computers and technology and the computer-related education of the country as a whole. There are round 10,000 members (via individual, corporate and other engagement).

ITP works with government, the education sector and academia, the industry, the IT community, and the public at large to increase the education, professionalism and expertise of those working in the tech sector and advance education across the board in the interests of New Zealand.

ITP also actively represent the profession and the sector on many different education, policy and standards-setting boards across NZ, such as primary and secondary school curriculum re-development, immigration policy for IT Professionals and more.

ITP offers tertiary degree accreditation aligned to the Seoul Accord (of which ITP is a provisional signatory), member certification in the form of Chartered IT Professional NZ (CITPNZ) and Certified Technologist (CTech), promotion of IT as a career choice in schools, a mentoring programme, over 200 events and short courses each year and much more.

Social Responsibility

ITP engages with government, the education sector, academia, and the public at large to increase the education, professionalism, and expertise of those working in the IT industry and advance education across the board in the interests of New Zealand.

Thought leadership

ITP runs many events with senior thought leaders talking about all aspects of IT, including industry leaders, experts, politicians, senior government officials and others. ITP NZ also hosts technology political debates featuring the ICT spokespeople of all major political parties talking about their policies and direction in relation to information technology, including the main debates prior to the 2017 national elections.

ITP continues to be at the forefront of sector representation to Government. For example, ITP NZ is a founding member of the *Digital Skills Forum* – a group of senior policymakers from a number of Government agencies and sector bodies working to align skills development initiatives across Government and the private sector. ITP NZ representatives also meet with Government Ministers and other Members of Parliament on a regular basis.

ITP produces a weekly update to members and others about what's happening in the industry, plus produces the widely read ITP TechBlog (<https://techblog.nz/>).

ITP also appears regularly in national and local media with appearances on TV news, a regular tech slot on radio and being quoted regularly in newspapers and various online news services (tech, business and general).

IP3 Accreditation

ITP strongly supports IP3 activities and the vision of the global profession that IP3 was established to progress. However, at this stage, ITP does not have immediate plans to undertake IP3 accreditation given the current structure of certifications offered.

ITP operates a variant of Chartered IT Professional (CITP) certification for senior professionals, licensed from the BCS in the UK, being CITPNZ. If BCS were to undertake IP3 accreditation it would likely also cover CITPNZ as it is based on the CITP standard.

ITP also operates Certified Technologist (CTech) certification at SFIA Level 3 but is unlikely to seek IP3 Accreditation of CTech in isolation.

IITPSA (Institute of Information Technology Professionals South Africa)

Overview of Society

IITPSA is a registered Non-Profit Company and Public Benefit Organisation, is a South African Qualifications Authority (SAQA) recognised professional body, and our professional designations (PMIITPSA® and Pr.CIO®) are registered on the National Qualifications Framework. During December 2021, our SAQA recognition was renewed for our third five-year term.

Established in 1957 and registered on 01 April 1958 (celebrating 65 years of existence), IITPSA aims to represent the interests of all ICT professionals in South Africa, fostering professional relationships with other like-minded organisations and setting standards of practice, conduct and ethics for the ICT profession. Memoranda of Understanding have been signed with ISACA (SA Chapter), ISC² (Gauteng Chapter), and others. The Institute is a member of the National Science and Technology Forum (NSTF) and has Committee representation on the NSTF's proSET (Professional Bodies in Science, Engineering and Technology) committee.

Our membership consists almost entirely of individual practitioners, with members found throughout the Republic of South Africa, as well as some neighbouring territories (albeit in quite small numbers) – e.g. Namibia, Botswana, Zimbabwe and Swaziland. Our main Chapters (or branches) are found in Johannesburg (Gauteng) and Cape Town (Western Cape), with smaller concentrations in Durban (KwaZulu-Natal) and Port Elizabeth (Eastern Cape).

The impact of the COVID-19 pandemic and extended lockdown periods in South Africa, have, unfortunately seen a negative impact on membership numbers (both renewal and new applications).

We have a number of Communities of Practice representing the special interests of different groups of members, such as Artificial Intelligence and Robotics, Cyber Security, Blockchain and Crypto currency, Software Testing, Innovation, Enterprise Architecture and Entrepreneurship, amongst others. The Special Interest Groups host events (some monthly) of relevance to their communities of practice.

IITPSA has a Women in IT Forum (WIIT), which is run as a Chapter of the Institute. The main aim of this forum is to help create awareness of the potential role for Women in the world of IT and to hopefully help address the gender imbalance in our profession. As further support in this area, IITPSA offers an annual bursary award, which is targeted at women recipients. During this past year, the WIIT committee has introduced a new logo, updated the website, and kicked off a mentorship programme.

IITPSA has nominated representation on the South African Bureau of Standards (SABS) Technical Committees, the international SFIA Council, the Computer Science Advisory Board at the University of Pretoria, the Industrial Advisory Board - School of Electrical and Information Engineering – University of the Witwatersrand and the Information and Cyber Security Centre (ICSC) Advisory Panel at the Council for Scientific and Industrial Research (CSIR).

As a recognised professional body, IITPSA also engages with the South African Qualifications Authority, the Department of Home Affairs, the Department of Science, Technology and Innovation, the Department of Communications and Digital Technologies and the Department of Higher Education and Training.

Improving our activities in Thought Leadership remains a strategic objective of IITPSA and we hosted numerous webinars, collaborated with number of industry event organisers and published many press releases and thought leadership pieces during the past year, as well as launching a series of "Talking Heads" videos. These videos are all available for viewing on the IITPSA YouTube channel. Our collaboration with the Joburg Centre for Software Engineering at Wits University on the annual ICT Skills Survey for 2022 is currently underway.

IP3 Accreditation

- IITPSA received full IP3 Accreditation (for five years) for our Professional Membership Programme during July 2015. This was approved by the IP3 Board on 31 July 2015.
- In July 2020, IITPSA applied to IP3 for re-accreditation of our Professional Member designation (PMIITPSA®) programme (SFIA Level 5), as well as for accreditation of our new designation programme for Professional Chief Information Officers (Pr.CIO®) (SFIA Level 7). We were delighted to note that re-accreditation (PMIITPSA®) and accreditation (Pr.CIO®) were both awarded to IITPSA in December 2020 by the IP3 Board. We were also very pleased to be advised that the IITPSA Pr.CIO® accreditation is the very first for a professional designation at SFIA level 7.
- Subsequently, the South African Qualifications Authority (SAQA) formally registered the Pr.CIO® designation on the National Qualifications Framework (NQF) in December 2021.
- In late February 2022 (earlier this year), the Institute launched our third professional designation, that of Certified Member (CMIITPSA) at SFIA Level 3. We intend to apply for both SAQA and IFIP IP3 accreditation in due course.

Sustainability

After a number of years of ‘good intentions’, and a couple of false starts, the IITPSA Team delivered on its intent to make available a new, fully online, Membership Self Service (MSS) portal to our members. The system was launched towards the end of August 2021. All applications for membership and membership re-grades, payments (and automatic invoice generation and distribution), biographic or contact detail changes, CPD reporting, and more, are now available to our members online, via a simple web browser.

- Membership certificates are now produced in soft copy format only, are available online in the MSS portal, and feature a unique QR code for online certificate verification. In addition, the annual production of plastic membership cards has ceased completely. The cessation of the printing of membership certificates and the production of membership cards has led to an overall improvement in IITPSA’s carbon footprint. The IITPSA also has its own digital validator ‘badges’ for the different grades of member to be able to insert into their digital signatures for membership validation

Korean Institute of Information Scientists and Engineers (KIISE)

Overview of Society

Korean Institute of Information Scientists and Engineers (KIISE) was founded in 1973 to propagate technologies of computer and information sciences in Korea and to promote amity among the members of KIISE (<https://www.kiise.or.kr/academyEng/main/main.faEng>).

KIISE became a regular member of IFIP in 1977. Since then, it has been representing Korean scientists and engineers in computer and information sciences. It also established cooperative associations with many international organizations such as ACM, IEEE, IEEE Computer Society, IPSJ, CCF, IEICE-ISS and so on to promote international academic interchanges and collaborations.

KIISE publishes its research journals and periodicals 48 times in a year including “Journal of KIISE” that was registered and appraised as the best journal in Korea by Korea Research Foundation (KRF) (currently, National Research Foundation of Korea (NRF)). It also publishes an international journal, “Journal of Computing Science and Engineering” (JCSE) (<http://jcse.kiise.org/main/default.asp>), which is a peer-reviewed quarterly journal that publishes high-quality papers on all aspects of computing science and engineering.

Several technical societies and committees are active in KIISE in the areas of databases, software engineering, information telecommunication, computer graphics, human computer interaction, artificial intelligence, computer systems, theories, programming languages, security, IoT, open source and so on.

KIISE holds regular and irregular academic workshops and conferences for over 60 times a year. Korea Computer Congress (KCC) and Korea Software Congress (KSC) are two major annual conferences of KIISE. It also holds international conferences such as International Conference on Big Data and Smart Computing (BigComp) and International Symposium on Perception, Action, and Cognitive Systems (PACS).

Key activities this year

- KCC (Korea Computer Congress) (<http://www.kiise.or.kr/conference/kcc/2022/>), which is the biggest annual conference hosted by KIISE, was held from 29th June to 1st July 2022 in a hybrid manner in the Jeju island, Korea. The theme was “Software conduces Digital Innovations”. The conference offers keynote speeches, tutorials, panels, workshops, and technical sessions for presenting research papers.
- KSC (Korea Software Congress) (<http://www.kiise.or.kr/conference/KSC/2022/>) is another annual conference hosted by KIISE which will be held from 21st to 23rd December 2022. KCC and KSC are a pair of annual national conferences of KIISE. The goal is to provide the KIISE members with opportunities of exchanging academic information in the fields of software, computer science, information science and so on.
- **SWCS (Software Convergence Symposium)** (<http://www.kiise.or.kr/conference/swcs/2022>) **focuses on concurrent trends and future directions of software technology and its applications. The goal of the symposium is to bridge various people from academia, industry, government, and society in the various fields of software and its application areas. It was held from 28th April to 29th April 2022 with a theme of “Digital Transformation”.**
- iTIP (information Technology and Industry Prospects) (<http://www.kiise.or.kr/conference/iTIP/2022/>) aims to discuss current important issues and seek their solutions in the software industry. The goal is to find practical helps for the researchers, developers, and entrepreneurs from the software industry in Korea. It will be held from 23rd September 2022 in a hybrid manner.

KNVI - Koninklijke Nederlandse Vereniging van Informatieprofessionals (Royal Netherlands Association of Information Professionals)

Overview of Society

KNVI, based in the Netherlands, Europe, has 3500 members. Website: Home - www.knvi.nl. Via social media like LinkedIn KNVI reach a number of 7000 unique followers. The Royal Dutch Association of Information Professionals (KNVI) is the professional association for individuals employed as information professionals or who are interested in this field in all its facets.

The Association has set the following objectives:

- Contributing to professionalization of employees in the Information and Communication field in general and of its members
- Representing the interests of the professional field in the event of (domestic and European) policy changes and exercising control over policy making
- Liaising with key partners
- Promoting domestic and international cooperation
- Promoting interaction between the members
- Raising awareness among members of their social responsibility
- Providing opportunities for personal certification in accordance with the ISO 17024 standard within the information technology (IT) field.

The Association attempt to achieve its mission in the following ways:

- Sharing knowledge, or facilitating such knowledge-sharing, through both face-to-face and virtual meetings (including conferences, workshops, field trips, etc.)
- Issuing, or facilitating the issuance, of publications relevant to the professional field
- Promoting training and education
- Collaboration with other domestic and international organisations
- Establishing departments, Interest Groups (IGs) and Regions.

Key activities this year - events

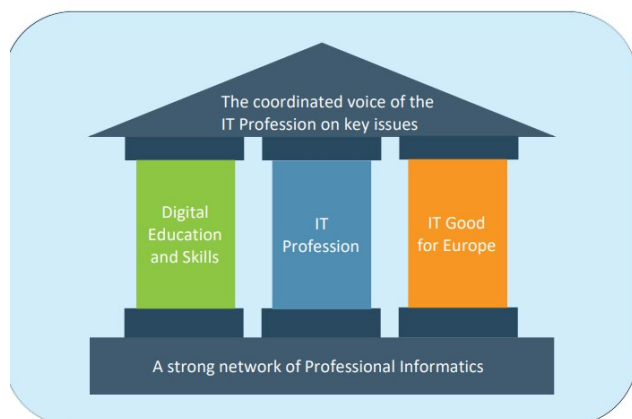
KNVI has facilitated around 50 events in the Netherlands in 2021/2022. Due to Covid-19 restrictions KNVI has switched to online events via webinars starting April 2020, and liaisons with partners to make sure members have access to interesting content. In 2021 we developed the concept of the Super Tuesday: a bigger online event that takes place every first Tuesday of the month. The Super Tuesday event has a strict format, takes 1,5 hours live streaming and is open for members and non-members (the latter pay for a small fee). After a few weeks the content is published for free on the KNVI-website. The strategy proves successful, the events have between 50 and 300 viewers/attendants.

In 2020 and 2021 Interest Groups of KNVI have experimented with off-line events as well: many relatively small-scale events or working groups of professionals getting together to discuss a specific theme.

The IG Digital Skills was involved in the organisation of Never waste a good crisis: develop a trustworthy digital ecosystem - ITPE (itprofessionalism.org) This event was a cooperation of ITPE, (part of CEPIS) KNVI and TC428 (CEN/Cenelec) in honour of the 60th anniversary of IFIP. Liesbeth Ruoff was one of the organizers. Speakers from New Zealand to USA gave their view on how to develop trust in a digital world.

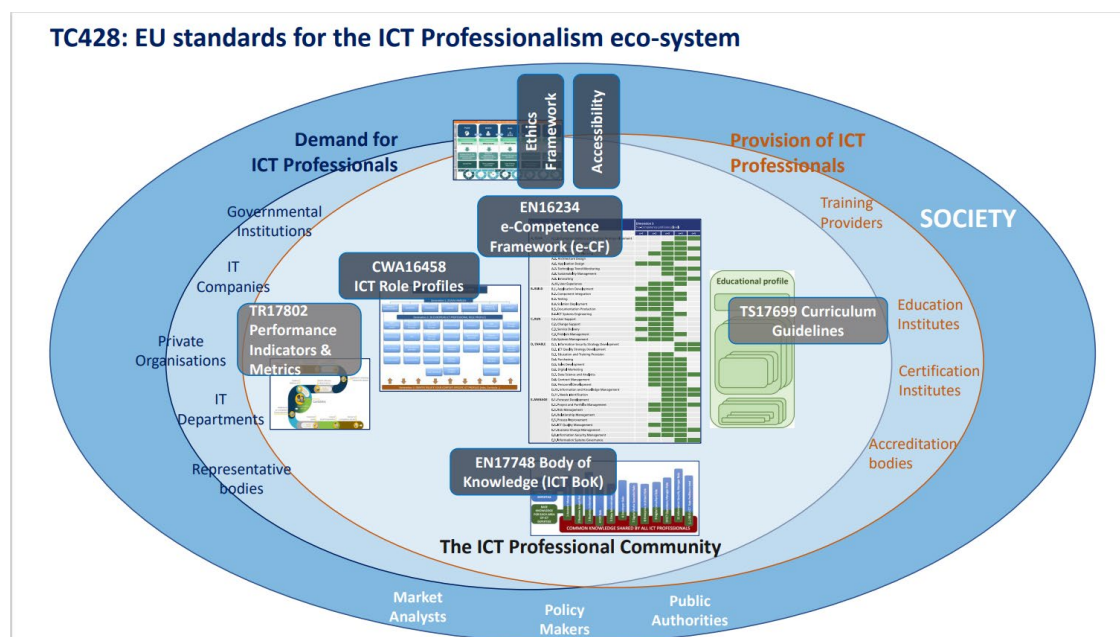
Regional and Global alliances

KNVI is an active member of the Council of European Professional Informatics Societies (CEPIS). Over the next period, CEPIS strategy will seek to be more directly aligned with the CEPIS' mission and objectives, and in particular will provide focus on: • Building a strong IT Profession • Digital Education and Skills • IT Good for Europe. This will be underpinned by a drive to create, sustain, and leverage a strong Professional Informatics network throughout Europe directly together with CEPIS Members through increased cooperative engagement, and indirectly through other stakeholders leveraging the ITPE brand. This can be represented through the following diagram:



Each of these pillars will have two key strands: 'Development of the IT profession' and 'The voice of the IT profession on the European issues'.

Another active role by KNVI is played in the NEN, Dutch mirror committee of TC428 Digital Competences and ICT Professionalism, a standardising committee of CEN/Cenelec. With being member of this standardising committee KNVI strives to further develop the IT profession in a European context. As technology standards are developed under supervision of ISO, Europe realized that ISO are not yet looking at IT professionalism and the competences needed by ICT professionals in general and in the broader context. The European framework for IT professionalism and digital skills, as currently is set-up, provide a standard that includes not only IT competences, but also other essentials for any IT professional: foundational body of knowledge, accreditation, education and training qualification, assessments, certification, and finally ethics and code of conduct".



The intention is that standards developed within the European CEN/TC 428 can play an important role in understanding of and bridging different schemes developed in different committees. Although a large number of specific CEN/TC 428 ensures shared high-quality standards for the ICT Profession in Europe. The above figure positions the ICT Professional Community and the underpinning ICT Professionalism standards in the ICT field and society as a whole. The Figure illustrates the different parts and perspectives of the ICT Professionalism eco-system. Key drivers are the demand for ICT professionals and the provision of ICT professionals, respectively positioned at the left and the right side in the figure. The demand side is composed of ICT organisations and all kind of private and public organisations with an own demand for ICT professionals. The supply side within this picture deals with educating and training people to become ICT professionals, including HE, VET and all kind of other public and private learning providers. Positioned at the bottom of the figure are market analysts, authoritative bodies, and policy makers. •

Swiss Informatics Society

<https://swissinformatics.org>

Overview

Official association for IT professionals in Switzerland, including academic research and educational institutions. Approximately 1500 members and 20+ special interest groups. Strategic development towards a social enterprise in the areas of raising the level of IT literacy across the Swiss society and IT professionalism, respectively. Holder of the ECDL license in Switzerland and shareholder of the 3L Informatik AG enterprise. Organizer of the Digital Summit, an annual event in collaboration with ETH with the goal of informing the public about the newest trends and topics in IT from an academic point of view.

Appendix 1: Statement of Financial Position

Financial position for 12 months ended 30 June 2022

	1 July 2021 – 30 June 2022	1 July 2020 – 30 June 2022	Notes
	Actual €	Actual €	
Opening balance held in IFIP accounts as of 1 July	27547.35	36,529.03	
Receipts			
Membership Fees	-	-	
Sponsorship*	-	-	
Total receipts	0	0	
Expenditure			
Travel and associated expenses		195.17	
Website	453.71	0	Domain & Website maintenance
PR/Marketing		-	
Software (Zoom license & transcript tool)	342.99		Reimbursed two years
Meetings (Room Hire & Meals)		-	
Other (COE booklets / ISO25773 document)	274.36	1180.06	Vinyl stickers for booklet (DOE)
Award (Prize & travel)	1,295.45	-	No award in 2020. 2021 prize money only
Total expenditures	2,366.51	1,375.23	
Excess of expenditures over receipts	-2,366.51	-1,375.23	
Total equity carried forward to next period:	25,180.84	35,153.80	
Ringfenced Award Sponsorship reduced by expense	6,311.00	7,606.45	
Available Equity	18,869.84	27,547.35	

Notes and additional detail to Statement of Financial Position

Expenditure was exceptionally low, because of travel restrictions.

Note 1: Reporting year

The reporting year was changed from calendar year to IP3 July-June year effective 1 January 2012 however the accounting year for IFIP audit purposes remains calendar.

Note 2: IP3 Members' contributions*

IFIP IP3 acknowledges the following in-kind contributions from member organisations. These contributions should be considered when the statement of financial position is reviewed, and when contemplating the value that the IP3 Project brings to its parent organisation, IFIP.

Strategic activity	Hours
<i>Board members in policy and governance, annual meeting, 4 board meeting teleconferences F2F</i>	<i>120</i>
<i>IP3 Board members in program activity, e.g., presentations at International events</i>	<i>1000</i>
<i>Marketing: collateral, website, and communications</i>	<i>130</i>
<i>Members advocacy of IP3 to prospective partners</i>	<i>50</i>
<i>Strategic Relations and industry engagement not including interview podcasts</i>	<i>150</i>
<i>Standards and Accreditation development **</i>	<i>50</i>
<i>Recruitment and stakeholder engagement</i>	<i>1,000</i>
<i>Conservative estimate of member contribution in hours</i>	<i>2,500</i>

* Monetary value of members' contributions calculated at a nominal €80 per hour is an estimated €200,000 (conservative estimate).

**There are problems with allocating time to this task.

Appendix 2: More about IFIP IP3 Global Industry Council

IP3-GIC Purpose

Create a vehicle to:

- Provide a global forum under the auspices of a UNESCO-sanctioned body for the frank and open discussion of matters of common interest.
- Demonstrate a public commitment to professional ICT standards.
- Play a real and active part in developing the global ICT Profession.
- Provide detailed comment of the certification requirement and on the shape and content of development and support services for professionals.
- Provide valuable support to the growth of ICT capability within developing nations.
- Create a mechanism for the IP3 Board to:
 - Obtain valuable, independent input from industry.
 - Engage with outside organizations and keep them interested and actively involved in IP3; and
 - Generate a modest level of subscription income from industry to support the activities of IP3.

IP3-GIC Mandate

- Provide a neutral venue for sharing issues and solutions of interest to major global organizations, with facilitation by IP3, if required
- Assist IP3 in enabling projects to further the goals of IP3 in developing nations
- Articulate the needs of industry to IP3, specifically those which can be addressed through ICT professionalism, certification, and activities related to the IP3 mandate
- Review current or proposed IP3 standards, programs, or policies to advise on their effectiveness in industry
- Propose specific initiatives aside from accreditation and ICT professional standards which IP3 may wish to undertake to collaborate more effectively with industry and specific outside groups
- Offer expert advice and insight to help IP3 remain responsive to the needs of industry with respect to ICT professionals, professional skills, and competence
- Recommend individuals who can make a valuable contribution to the work of the IP3 Professional Standards Council and Committee
- Discuss ways in which IP3-GIC and individual Council members may help to advance IFIP and its relevance to the Global Community.
- Provide Thought leadership and develop tools that can be used to promote IFIP.

[Click here for GIC Director list with CV's.](#)

Appendix 3: Acronyms and abbreviations

Acronym	Full description
ABEEK	Accreditation Board for Engineering Accreditation of Korea
ACS	Australian Computer Society
AEF	Astana Economic Forum
BCS	British Computer Society
CEPIS	Council of European Professional Informatics Societies
CIO	Chief Information Officer
CIPS	Canadian Information Processing Society
Commbank	Commonwealth Bank of Australia
CP	Certified Professional
CSI	Computer Society of India
IITPSA	Institute of Information Technology Professionals South Africa
CT	Certified Technologist
EA	Enterprise Architecture
FEAPO	Federation of Enterprise Architecture Professional Organisations
GIC	Global Industry Council
ICCP	Institute for the Certification of Computing Professionals
IEEE-CS	Institute of Electrical and Electronic Engineers – Computer Society
IFIP	International Federation for Information Processing
IIBA	International Institute of Business Analysis
ITP NZ	Institute Technology Professionals New Zealand
IPSJ	Information Processing Society of Japan
ISACA	Information Systems Audit and Control Association
ITU	International Telecommunication Union
KAIST	Korea Advanced Institute of Science and Technology
KIISE	Korean Institute of Information Scientists and Engineers
NASSCOM	National Association of Software & Services Companies (India)
PD	Professional Development
PPP	Professional Partner Program
SAC	Standards and Accreditation Council
SEARCC	South East Asia Regional Computer Confederation
UN	United Nations
UNESCO	United Nations Educational, Scientific and Cultural Organisation
WCC	World Computer Congress
WCF	World CIO Forum
WSIS	World Summit on the Information Society