



International
Professional
Practice
Partnership



ifip

Partnering for Trust in Digital

**IFIP IP3 Annual Report
2019 - 2020**

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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Governance

The International Professional Practice Partnership (IP3) was founded by the International Federation for Information Processing (IFIP) in partnership with several leading professional ICT organizations from around the world. IFIP was founded under the auspices of the United Nations Educational Scientific Organization (UNESCO) in 1960 and with 38 country member bodies and affiliates representing all five continents. IFIP is a consultative body for IT for the United Nations Educational Scientific Cultural Organization, Sector Member for the International Telecommunications Union (ITU) and Scientific Associate Member of the International Council for Science (ICSU).

IP3 Board 2019-2020

 <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 (Deceased August 2018)</p>	<p><i>No picture available</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 & ACS</i></p>
 <p>Stephen Ibaraki Vice-Chairman: Strategic Relations</p>	 <p>Liesbeth Ruoff KNVI representative</p>
 <p>Don Gotterbarn Ethics expert</p>	 <p>Jee-In Kim KIISE representative</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

Chairman's Report

2020 has seen us work and live in an unprecedented way because of the global impact of the COVID-19 pandemic. The shift to digital has been – as predicted at WEF 2016, when Dr Klaus Schwab launched the Fourth Industrial Revolution – exponential, but it took this pandemic for the shift to happen. Trust has never been more important, and IP3 continues to promote Trust and the Duty of Care in Digital at every opportunity.

IP3 has always held Board Meetings on a virtual platform. We hold face-to-face planning sessions every year, usually just before IFIP General Assembly (GA). The planning session was held in Kiev in 2019 – I joined by Zoom because I was unable to travel to Kiev due to visa problems. The session focused on the “Digital Skills for Everyone, everywhere” project covered later in this report. As is tradition, we also held the IP3 AGM within the GA schedule.

The lockdown in my country (South Africa), which kept us at home for an extended period and restricted anything but essential local travel, has resulted in my having no speaking engagements in 2020, other than those discussed in the WSIS section of this report.

Pretty well everyone I know is suffering from “Zoom” fatigue. It is great that we have been able to continue with business-as-usual over this time, but there is no doubt that meetings held on Zoom and other virtual platforms are very tiring. Is it because we must concentrate so hard on the words, because we cannot rely on visual cues such as body language – a face on video is not the same? Several hardworking C-level executives have remarked that they have never been so busy!

One thing is for sure. The pandemic has impacted the world in a similar way to the World Wars in the last century. I think we will slowly get back to a new normal. I much prefer learning online but do miss face to face meetings and conferences.

The highlights of my year follow.

David O’Leary Award

IP3 was keen to present an award to recognise an individual or organisation that has promoted and demonstrated Professionalism (Professional Practice), has worked as an Ethics Evangelist, and/or has made strides in fostering diversity among ICT practitioners. The award was called the David O’Leary in honour of a man who made a significant contribution to the IFIP Global Industry Council. David was a role model and had all the qualities of a true Professional. I made a proposal for funding to the Kay Family Foundation for sponsorship, asking for sufficient funding to award the winner with USD1000, and pay their expenses to IFIP General Assembly (GA) to receive the award. The proposal was successful.

Deputy CEO of the Irish Computer Society (ICS), Mary Cleary won the inaugural David O’Leary Award in recognition of her ethical and professional leadership over many years. She is a driving force in the accomplishments of the EU in their work on the Professional Practice e-CF frameworks and standards. Her work with the ICS foundation has promoted digital inclusion, education, and e-health.

On receiving her award at the IFIP GA in Kiev, Ukraine, in October 2019, Mary expressed surprise and delight to be honoured in this way. “My work in the area of IT professionalism pales in comparison to the achievements of the late David O’Leary, who was known internationally for his work promoting professional practice in so many domains – government, academia, industry, and innovation. In times when we try to promote professional practice, we could not have had a better role model for all the qualities of a true Professional than David,” she said. “This award is a great honour but I must acknowledge my working context, the great mentors I have learned from, Mike Hinchey and Declan Brady and the whole Team ICS, who have facilitated my engagement with IT professionalism in Ireland and across Europe.” [Read the full story](#) about Mary’s amazing accomplishments.



Pictured above (left to right): Anthony Wong, Mary Cleary, Mike Hinchey

Sadly, I was unable to travel to Kiev in 2019, and thank Anthony Wong, IP3 Deputy Chair for representing IP3 at the award presentation.

We planned to call for new nominations around mid-2020, but decided not to present the award in 2020 once we knew that GA would be held virtually, because part of the award includes travel to the location where GA is held. We will call for nominations early in 2021, but if anyone has someone in mind, we will always welcome nominations. The nomination form can be found [here](#)

IP3 Chair visits Botswana

I met delegates from Computer Society Botswana (CSB) at GA 2018, in Poznan.

I first visited the Chairman Audrey Mazikana and her colleagues in the Society in August 2019. I used this time to talk about IFIP and IP3, and the benefits of belonging to IFIP. As CSB Members are predominantly academics, we also discussed the role of Educators in producing ICT Professionals.

I was invited back in November to keynote at the Computer Society Botswana's annual Symposium. My address covered the requirements for an ICT Professional and what skills they need to take them into the future. The presentation can be found [here](#).

I stayed on to attend the CSB AGM later that day, and used the opportunity to encourage membership of CSB, and once again explained the benefits of CSB joining IFIP. We also shared tactics for growing membership.

IFIP Code of Ethics Task & Finish Team

IP3 Director Margaret Havey (representing MSA), Don Gotterbarn, and Moira de Roche worked on the Task & Finish Team, under the leadership of TC9's David Kreps. The work commenced after GA 2019, when the

General Assembly agreed that a code should be produced as the IFIP Code of Ethics exemplar. This code, which uses the excellent ACM Code of Ethics as a basis, will allow IFIP Member Societies to create or revise their own codes to align with best practice.

The IFIP Code of Ethics is now complete and will be presented to GA 2020 for final approval.

Don Gotterbarn has made his services available to IP3 and has been co-opted as an IP3 Director. We are delighted to have him on the IP3 board, as he will be invaluable when we work to evangelise the code globally.

World Summit for Information Society

The forum was postponed from April to August 2020 due to the outbreak of COVID-19 but was later cancelled and replaced with a virtual event, staged over a six-week period. The opening Ceremony was held on 22 June 2020, followed by three Thematic Workshops scheduled each day.

As before, IFIP joined as a supporting partner. The forum included a Virtual Exhibition, with IFIP information and a link to the YouTube video. Partner privileges allowed IFIP to present at two High-Level sessions. I represented IFIP on both occasions.

High-Level Policy Session

IFIP participated in the High-Level Policy Session: Ethical Dimensions of Information and Knowledge Societies held on Tuesday 28 July 2020 from 14:00 to 15:00 (CET). Click [here](#) for more information about this High-Level session and for a link to the recording. In answer to the question “What support does IFIP provide to governments, organizations and the information society to help them promote and ensure ethical behaviour?”, we positioned IFIP’s role and interest in ethical behaviour, saying “We all agree that for Information and Knowledge Societies to use Digital products, they must Trust in the product. What is Trust based on – well surely it is heavily reliant on Ethics? We have all seen how Technology and other organizations suffer reputational damage, in some cases never to recover, because of a failure of ethics. Would you trust someone who it unethical?” I also explained that to support our goal of Ethical behaviour, and Professionalism in IT, we are finalizing the IFIP Code of Ethics, as an exemplar, which will be published digitally in September 2020, and in book format in 2021. I added that whilst we do not believe it is easy to regulate ethical behaviour, governments can and should set the example. In closing, we advised that IFIP also contends that there is an ethical imperative to “leave nobody behind”, and that to this end IFIP IP3 is rolling out a project “Digital Skills for everyone, everywhere”.

IP3 Thematic Workshop “Living the standard – how can the Information and Knowledge Society live to an ethical and FAIR Standard and leave nobody behind?”

The panel explored:

1. What role does a Codes of Ethics play?
2. The role of Law and Regulation in complementing Codes of Ethics to improve the public’s trust in goods and services that use technologies including AI.
3. How can we create Trust in Digital?
4. Does a digitally skilled citizenry drive economic growth in all countries?

The Digital Skills Everywhere for Everyone project was introduced.

The workshop was held on 15 July 2020 from 12:00 to 13:00. The Session recording can be found [here](https://www.ipthree.org/newsroom/ip3-at-world-summit-for-information-society-2020/). The presentations are available for download on the IP3 website <https://www.ipthree.org/newsroom/ip3-at-world-summit-for-information-society-2020/>

Panellists:

WORLD SUMMIT
ON THE
INFORMATION
SOCIETY 12:00–13:00 CEST (UTC+02:00), Wednesday, 15 July 2020

WSIS+15
FORUM 2020

Living the standard
–
how can the Information and Knowledge Society live to an ethical
and FAIR Standard without needing to refer to a Codes of Ethics

International Federation for Information Processing (IFIP) IP3

Anthony Wong
Vice President
IFIP

Moira de Roche
IFIP IP3 Chair
IFIP (South Africa)

Liesbeth Ruoff-van Welzen
IFIP IP3 Director
IFIP (Netherlands)

Don Gotterbarn
Ethics Evangelist
ACM (United States), IFIP (International)

A Min Tjoa
Professor - Vice Chairperson of UN-CSTD
IFIP (Austria)

Jan Lucas Ket
Director 2019-21
Rotary Club of Purmerend (Netherlands)

Join us at <https://www.itu.int/net4/wsis/forum/2020/Agenda/Session/131>

Moira de Roche IP3 chair –
Session Chair & Moderator
Potential Project Partner Rotary –
Jan Lucas Ket, *Rotary*
International Director 2020/2021
CSTD & IFIP: A Min Tjoa - *Vice*
chair CSTD representing the IT
community
Don Gotterbarn – *ICT Ethics*
specialist chair and writer of ACM
and IFIP code of conduct
Liesbeth Ruoff – *member of CEN*
TC428 representing the
perspective of ICT professionalism
Anthony Wong – *Vice President*
IFIP, technologist and lawyer.

High-Level Dialogue on the WSIS Action Lines and SDGs: Strengthening the Multi-stakeholder partnership

During this session, we addressed the question “Who does IFIP partner with and how does this help advance the SDGs?” Having said that all our Member Societies are essentially partners, I took the opportunity to talk about the alignment of some of the IFIP Technical Committees and Working Groups with the Sustainable Development Goals. I also remarked that IFIP has a formal consultative partnership with UNESCO and collaborates with CSTD to pursue SDG related goals. IFIP partners with ITU on specific activities: providing support for the WSIS Forum; as a founding partner for AI for Good. Follow this link

<https://www.itu.int/net4/wsis/forum/2020/Agenda/Session/358> to view the video recording or listen to the audio.

Digital Skills for Everyone, Everywhere project

The project is led by IP3 Director Liesbeth Ruoff (KNVI & CEN)

It uses OECD 2015 report “The future of productivity report”, as well as the ITU Digital Skills Assessment Guidebook as resources.

The goals and deliverables set in the proposal are:

- to make a repository of best practices, frameworks, and use cases worldwide around the development and the usage of frontline digital technology
- to offer practical recommendations based on findings
- to start a platform of experts based on the inventory of best practices and use cases around the development of the ICT profession

The goals will be revised and expanded as we interact with partners.

Looking for partners

- Bring leaders from the ICT world (IFIP) and leaders in profit and non-profit organizations (e.g. Rotary) together to cooperate and exchange knowledge.
- Contact was made with Rotary in the Netherlands, and the reaction was positive. We will work toward applying for Global Grant
- Staying in touch with CSTD (this project was originally inspired by the presentation by Shamika Sirimanne of CSTD, at WCC2018, Poznan). We are also pleased to enjoy the advice and guidance of IFIP’s A Min Tjoa, who is also vice chair of CSTD.

First activities

- Aim to apply for a global grant - create digital capacity and prevent a “digital divide” – what is the need?
- Explain to potential partners that we mean to build a capacity that is not dependent on the commitment and goodwill of (one of) the “big 5 tech” companies.
- Emphasis on “implementing”, which costs time and money
- Implementation must match needs with a starting position of a community, region, or country
- Possible pilots in Botswana, Rwanda, and Tanzania, leveraging the contacts IFIP already has in these regions
- A successful program called Maxim Nyansa, set up in Ghana, could possibly be replicated and extended to meet our goals. Liesbeth and I are connecting with the head of this organisation (who is also a member of KNVi).
- Desk research.

Current situation

- Working with Dr Audrey Masizana (CSB & University of Botswana) to use Botswana as a pilot project.
- In a speech by the incoming Rotary chairman worldwide Holger Knaack, he acknowledged that “The digital revolution has affected us much harder than we anticipated, because of the impact of COVID-19: Rotary cannot look away”. We are engaging with Rotary with a view to collaborating on this project.

IFIP 60th Anniversary Celebration Book

Authors Adrian Schofield, Anthony Wong, Liesbeth Ruoff, and I, wrote a chapter for the book on “Professionalism in IT”. We thank Leon Strous for his work in refining the chapter and helping us navigate a template that most of us were unfamiliar with.

Thanks to all the Directors of the IP3 Board, who work tirelessly to forward our agenda. You are the wind beneath my wings!



Moira de Roche FIITPSA PMIITPSA IP3P
September 2020

IP3 Deputy Chair Report 2020

Since our IP3 meeting with David Kreps, IFIP TC9 Chair and Don Gotterbarn, chair of SIG 9.2.2 Ethical Frameworks at WCC2018 and IFIP GA in Poland in 2018, TC9 has agreed to sponsor an IFIP Code of Ethics that would further support and strengthen the IP3 work on professionalism more broadly. During IFIP GA in Kiev in 2019, various meetings were held with David Kreps and Don Gotterbarn, and it was agreed that the project would proceed with David as chair of the IFIP Ethics Task and Finish Group, with representation from IP3 - Moira de Roche; MSA - Margaret Havey and Don Gotterbarn, Chair SIG 9.2.2.

The matter has been on the Agenda of IP3 for several years and it is a milestone that the proposed IFIP Code of Ethics will be tabled and voted at the coming virtual IFIP GA 2020 in September.

In my report in 2019, I summarized some of the world-wide initiatives resonating with the IP3 2019 Action Plan – Ethics in Professional Practice – “Giving voice to values”.

Over the last few years, we have seen the intensification of debate on Ethics with the publication of various AI Ethics Principles and Frameworks. When I reviewed AI ethical frameworks in 2019, there were more than 70 in existence. The number continues to grow and jurisdictions including Australia and the EU published their frameworks, adding to the lists of contributors including the OECD Principles on Artificial Intelligence, the World Economic Forum AI Governance: A Holistic Approach To Implement Ethics Into AI and the Singapore Model AI Governance Framework.

The debates have matured significantly, beyond ethical principles to more detailed guidelines on how such principles can be operationalised in the design and implementation to minimise risks and negative outcomes. I am currently assisting a multi-disciplinary group of 54 technology law experts from 16 countries to update the ITechLaw Global Policy Framework for Responsible AI.

The challenge has always been putting principles into practice. Since the proliferation of AI Ethics Principles and Frameworks, there are now renewed calls for broader regulation of AI, autonomous and intelligent systems.

How much autonomy should AI and robots have to make decisions on our behalf and about us in our life, work, and play? How do we ensure they can be trusted, and that they are transparent, reliable, accountable, and well designed? Previously, technologies have been deployed more like tools, but as autonomy and self-learning capabilities increase, robots and intelligent AI systems will feel less and less like machines and tools. There is now a significant difference, because machine learning AI systems have the ability to learn, adapt their performances and ‘make decisions’ from data and ‘life experiences’.

How should regulators manage the complexity and challenges arising from the design, development and deployment of robots and autonomous systems? What legal and social responsibilities should we give to algorithms shielded behind statistically data-derived ‘impartiality’? There is much debate as to who amongst the various players and actors across the design, development and deployment lifecycle of AI and autonomous systems should be responsible and liable to account for any damages that might be caused. Or should the producer or programmer foresee the potential loss or damage even when it may be difficult to anticipate—particularly in unusual circumstances, the actions of an autonomous system? These questions will become more critical as more and more autonomous decisions are made by AI systems. Regulators around the world are wrestling with these questions.

The need to address AI and autonomous system challenges has 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 professionals understand better than most in relation to the trends and trajectories of technologies and their potential impact on the economic, safety and social constructs of the workplace and society. Is it incumbent on ICT professionals and professional societies to raise these issues and ensure they are widely debated, so that appropriate and intelligent decisions can be made for the changes, risks and challenges ahead? ICT professionals are well placed to address some of the risks and challenges during the design and lifecycle of AI-enabled systems. It would be beneficial to society for ICT professionals to assist government, **legislators**, regulators and policy formulators with their unique understanding of the strengths and limitations of the technology and its effects.

I would like to thank Leon Strous, IFIP Past President and the IFIP 60th Anniversary Celebration Book Committee for their invitation to contribute a chapter on “The Laws and Regulation of AI and autonomous systems”. The 60th Anniversary Celebration Book looks at the societal oriented effects of ICT developments on society. The chapter provides brief insights on some of the current debates and topical developments in our regulatory systems on the use of AI, autonomous and intelligent systems.

I am also delighted to contribute to the IP3 chapter on “Professionalism in IT”.

Over the course of the year, I presented on the following relevant activities:

- Revisiting Active Ageing in the Digital Economy: How should we incorporate appropriate ethical design into systems and solutions to support the needs and autonomy of the ageing sector and society? – College of Law, Sydney, 25 October 2019.
- Panel on “AI and its social impact” – University Technology Sydney (UTS), 2nd December 2019 with panellists, Professor Jie Lu, UTS Associate Dean Research Excellence and Centre Director of Artificial Intelligence and IFIP President, Professor Mike Hinchey. A video of the presentation and panel is available [here](#).
- Living the standard – how can the Information and Knowledge Society live to an ethical and FAIR Standard and leave nobody behind? – WSIS Thematic Workshop, Geneva, 15 July 2020 with Moira de Roche, Jan Lucas Ket, A Min Tjoa, Don Gotterbarn and Liesbeth Ruoff.

Anthony Wong

September 2020

VC Standards and Accreditation

Adrian Schofield from the Institute of Information Technology Professionals South Africa (IITPSA) has completed his sixth 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 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.

We are pleased to report that CIPS has completed the submission of their application for re-accreditation. This application is unique for two reasons – it is the first for a scheme operated by a “virtual” society and it is the first to be assessed remotely. CIPS is a federal society, coordinated from a “virtual” national office, and the impact of COVID-19 on travel and work practices means that the assessors will not visit Canada. We expect to complete the assessment during Q3 of 2020.

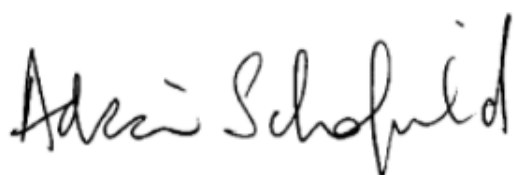
We note that the ACS accreditation was due for renewal at the end of 2019, but the submission of the application has been postponed, pending the finalisation of the restructuring processes at ACS.

The IITPSA accreditation is due for renewal in 2020 and we are pleased to report that the submission of the application for re-accreditation of the Professional Member scheme and the accreditation of the Professional CIO scheme was completed at the end of July. The assessment will be carried out remotely (as with CIPS) and should be completed in Q3 of 2020.

There is no other progress to report from other societies. 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 was launched in Geneva in June 2017, providing 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.

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



Adrian Schofield, FIITPSA PMIITPSA IP3P

August 2020

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” 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:

Notable for 2020--Stephen interviewed IP3 Chair Moira de Roche which appeared in several non-profit channels such as the ACM including the widely read ACM Education Centre Bulletin.

[VIDEO INTERVIEW: A Chat with Moira de Roche: IITPSA Director; Director of IFIP IP3; Director on the Global Industry Council of IFIP](#)

For 2020, Stephen is invited to the regular global leaders’ meetings held by the WHO leadership where the WHO seeks input and collaboration on global healthcare and to address the COVID challenge. Most recently, the WHO was seeking SMEs for a focus group, to be nominated with final curation by the WHO and IP3 Chair Moira de Roche was nominated by Stephen.

In 2019, this announcement appeared: <https://www.ifipnews.org/ip3-wins-funding-david-oleary-award/>--The IFIP IP3 David O’Leary award for outstanding ICT professionalism (cash prize and travel to IFIP General Assembly <http://www.cips.ca/node/3548>) from REDDS Capital (Stephen is Chairman) with funding from the Kay Family Foundation (foundation also funds ITU AI for Good). The prize is in honour of David O’Leary, IFIP Global Industry Council Director, whose tremendous contributions are captured in this article with IT World <https://www.itworldcanada.com/blog/david-oleary-canadian-and-global-education-business-computing-leader/406773>. The first recipient of the award was given out at the 2019 IFIP General Assembly to ICS Deputy CEO Mary Cleary and captured in this news: <https://www.blockchainprofessionals.ie/news/mary-cleary-awarded-david-oleary-award>. Nominations are again sought.

Stephen contributed many articles for Cognitive World, Forbes, IT World (Canada). A recent example on Digital Transformation spotlights IFIP’s international member ACM and Stephen’s interview with John Hennessy, Shriram Family Director Knight-Hennessy Scholars Program, ACM A.M. Turing Awardee, Chair Board Alphabet and 2000-2016 President Stanford: <https://www.itworldcanada.com/blog/digital-transformation-accelerated-in-a-post-covid-world/430863>

Stephen contributes daily to posts within LinkedIn where he has been at the maximum allowed contacts of 30K for many years.

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 immediate past chair 2018-2020.

The IEEE is the No.1 computer engineering organization and Stephen contributes in business development and most recently beginning in July 2020 with ongoing interviews. His inaugural interview is with Doug Wilson, Founder and Chairman of the CEO Leadership Alliance Orange County which brings together the largest companies. Doug is currently leading an initiative to build a global center of excellence AI ecosystem centered in Southern California and Orange County. Doug’s interview can be found with IEEE TEMS (under Interview series by Stephen Ibaraki): <https://www.ieee-tems.org/>

Stephen is supporting six CEO clusters globally. An example is the YPO European Impact Summit Oct 19-21 2020 where Stephen is the founding chair of the advisory board <https://www.itu.int/en/ITU-T/Workshops-and-Seminars/20201019/Pages/default.aspx>. YPO is the largest non-profit notable CEO organization: 28K CEOs, \$ 9 Trillion annual revenue, across 130 countries.

Stephen as founder, AI for Good, <https://aiforgood.itu.int/>, is continuing to provide active support. Plus, with related programs such as the WHO/ITU Focus Group AI for Health where he is vice-chair <https://www.itu.int/en/ITU-T/focusgroups/ai4h/Pages/default.aspx>.

Stephen conducts 50+ interviews annually that appear with IFIP in support of IFIP or IP3 specifically. Examples are found here with IFIP IP3 Founder CIPS: http://www.stephenibaraki.com/cips/cips_interviewslist.html

A handwritten signature in black ink that reads "Stephen Ibaraki". The signature is written in a cursive, flowing style.

Stephen Ibaraki - GIC Founding Chair; Vice Chairman IP3 Board (representing GIC and Strategic Relations)
August 2020

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. 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

The ACS hosted many events during 2019-2020, including:

- **The 5th Reimagination Thought Leaders' Summit and ACS Digital Disruptors Awards** at the Melbourne Convention and Exhibition Centre on 4 December 2019 which brought together more than 1,000 Australian and international thought leaders from technology, business, academia, and the political sphere. The sessions included:
 - **Rockstar Aussie Founders:** Engage with the best and brightest Australian startup entrepreneurs who are making a mark in Australia and the Silicon Valley.
 - **Data as an Enabler of Business Growth:** With scrutiny around handling of public data at an all-time high, discover how Australian businesses are navigating the risks of data sharing while ensuring privacy of Australian citizens.
 - **A Company Board:** Learn how Australian senior leaders and company board members are leading the way in digitally transforming their businesses through innovative technology.
 - **Reimagining the Customer Experience through Technology:** How Australian businesses are using service transformation to meet changing customer expectations and using innovative technology solutions to maximise productivity outcomes.
 - **Building a Global Technology Business:** Engage with Australian business leaders who will share their secrets of what it takes to build and scale your business on a global level.
 - **Venture Capital as an Enabler of High Growth for Tech Startups:** Find out how more of Australian investment and Venture Capital can be utilised by Australian tech startups instead of being diverted overseas.

The ACS Digital Disruptors Awards at the gala dinner, recognise the achievements and talent of individual ICT professionals, ICT skills and service transformations across a range of key award

categories. 52 finalists were nominated with 13 winners across the various categories:
<https://reimagination.acs.org.au/disruptors.html>.

IFIP President, Mike Hinchey attended the Summit and Awards on behalf of IFIP.

- The online **Tech and Employability Skills Half Day Conference** in response to the COVID-19 crisis. The Conference assists those who are entering the technology workforce.
- **Online roundtables** including with the Shadow Minister for Education. Areas covered included:
 - What should an Australia COVID-19 recovery look like?
 - What are the critical skills our primary school and high school students need?
 - Distance learning during COVID-19 restrictions and pedagogy
 - Digital Literacy of the broader population
 - Reskilling the existing workforce
 - Support for international students in an environment where part-time work has disappeared.
- **ACS ICT Educators Development**– a ICT Educators Program Webinar on the success stories from schools and teachers that have connected with ICT Education Specialist. Participants were given access to the ICT Educators Practice that contains over 100 resources for F-10 teachers and students to help you implement the Digital Technologies in the classroom.
- ACS continues its partnership with **Sky News**, the **Emerging and Deep Tech Webinar Series** and the **ACS Industry Insights Leaders' Series** to deliver, leverage the knowledge capital of ACS members to influence positive change with government and industry through thought leadership and to help build a suite of technical knowledge and skills from the comforts of the home workplace.
- **ICT Gateway to Industry Schools Program (GISP)**– Skills Partnership with the Queensland Government initiative to help Queensland secondary school students and their parents with subject selection, work placement and vocational training opportunities, to connect with industry and to consider and develop a pathway into a rewarding ICT career. GISP will also provide secondary educators with opportunities to participate in professional development activities, to connect them with industry, and to connect them with other ICT educators across the nation to collaborate, to access teaching resources and to share ideas.
- Complimentary access to the **Employee Assistance Program (EAP)**– a professional confidential counselling service for members to support them through the uncertain COVID-19 times.

ACS Member Certification

In 2000, the Australian Computer Society (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.

ACS offered complimentary ACS professional certification assessments in 2020 to associate members to ensure members are well-positioned for career opportunities as we emerge and recover from COVID-19. Between 15 April and 30 June 2020, 600 certification assessments were conducted, with around 90% successful in attaining CT or CP status. The initiative builds on the complimentary 6-month extension of membership due to the closure of physical events during COVID-19.

Canadian Information Processing Society (CIPS)

Overview of Society

The Canadian Information Processing Society is a federation of 10 member Provincial 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.

Membership has declined slightly over the past year due to the impact of covid-19 which has slowed immigration, a steady source of new members, and created challenges for existing members experiencing financial setbacks. CIPS is supporting its existing membership by extending the grace period for membership renewals to five months and looks forward to healthy membership increases resuming once immigration returns to its normal flow.

To respond to other challenges brought on by COVID-19 all CIPS meetings, presentations and conferences have become virtual. This has added value to CIPS membership by opening up presentations to any member across Canada and providing a broader pool of potential attendees to event organizers.

Membership growth continues to be concentrated in CIPS Saskatchewan, where the provincial government requires CIPS certification as part of the immigration process for designated ICT national occupational codes. CIPS Nova Scotia has started the work to become the second provincial society to have its certifications used to qualify potential new Canadians.

Nationally CIPS is progressing its organizational renewal on several fronts. A CIPS marketing plan has been designed and approved, the Code of Ethics exam now reflects the updated Code of Ethics, a set of principles for a new national-provincial agreement has been developed, the Executive Committee of the National Board has been re-started, and National executives have attended meetings of the Provincial Societies to answer their questions and provide clarifications. Determining next steps in the marketing plan and finalizing the national-provincial agreement are in progress. New projects will be reviewed for inclusion in the renewal plan as proposals are submitted.

CIPS continues to reaffirm its commitment to supporting and promoting the IT practitioner. Certified professional practice, recognized by the appropriate legislative or regulatory regime in a Province or Territory, is the unique value proposition that CIPS provides and will be the primary offering of a sustainable CIPS organization.

CIPS IP3 Accreditation

CIPS IP3 re-accreditation is now underway. Documentation has been submitted to the IP3 Standards and Accreditation Council, the initial assessment has been completed, and amendments are in progress. Once accreditation has been granted two new certifications will be available to CIPS, thus enabling it to further increase its offerings to members.

Computer Society of Zimbabwe

A Brief Overview of Society

The Computer Society of Zimbabwe was established in 1974 with the principal objective to be of benefit to the ICT industry and all people who work in ICT. In its pursuit of promoting knowledge CSZ established the Software Development Community Special Interest Group (SIG) whose mandate is to promote software development skills in the digital era, and now includes widespread accessibility to ICT via smartphones.

Some of the principal aims of the Society are the following:

1. To promote knowledge to members of the Society and the general public with regard to the development and use of Information Technology.
2. To ensure that, in the development of Information Technology systems, due and proper regard is paid to the rights and privileges of the general public.
3. To encourage research and development in, and to actively seek to improve techniques and knowledge of, Information Technology and to disseminate this information among members of the Society and the public through the medium of journals, circulars, publications, lectures, seminars, conferences, or by any other method which the Society may from time to time deem fit.
4. To establish professional standards for persons employed in the field of Information Technology and to ensure that these standards are maintained.
5. To encourage the integration of Information Technology plans and programmes in the national programmes for development of science and technology.
6. To establish and maintain active linkages with local and international associations and bodies sharing similar objectives to those of the CSZ.

IP3 Accreditation

The Computer Society of Zimbabwe has not yet applied for IP3 accreditation but is moving towards that. In that regard the CSZ has introduced the professional member grades and we already have members in those different grades.

Computer Society Sri Lanka (CSSL)

www.cssl.lk

No report available

Information Processing Society of Japan

Overview of Society

Information Processing Society of Japan (IPSJ) was founded in 1960 and has 19,763 individual members and 275 corporate members as of March 2020. 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 40 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, Journals of Digital Practices and DP Reports.

IPSJ aims to enhance its value by providing services to public society such as proposals to Japanese government, as well as extending collaboration with professionals in industry through the event 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 Professional (CITP). The system is operated in two methods: the direct method and the indirect method.

In the direct 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. 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 from 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 the 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 the accreditation is 5 years.

As of March 2020, 9853 CITPs have been certified including the ones certified through the indirect method. By the indirect method, nine 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, transmission of knowledge, support of programming education, communication among around-thirty-year-old engineers, and advisory to CITP scheme. The community held its session in the IT Forum 2020 event founded in place of Software Japan.

From 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 September 2019.

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 its DIS is currently under development. Part 4 is "Software Engineering." PWDs of Parts 2 and 4 were approved in 2019 and WG20 is

preparing the CD draft of these Parts. ISO/IEC 24773 is expected to give a significant impact on the certification system accredited by IP3 and the IP3 accreditation system.

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 CIP 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 South African Qualifications Authority (SAQA) recognised professional body, and our professional designation (PMIITPSA) is registered on the National Qualifications Framework. During September 2017, our SAQA recognition was renewed for our second five-year term.

Established in 1957, and registered on 01 April 1958, 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 also a recognised voluntary body of the South African Council for Natural and Scientific Professions and is a member of the National Science and Technology Forum.

Our total membership count, consisting almost entirely of individual practitioners, currently sits at a little over the 10 000 mark, 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 from the 26 March 2020 have, unfortunately seen a negative impact on membership numbers (both renewal and new applications).

We have several Communities of Practice representing the special interests of different groups of members, such as Software Testing, Innovation, Enterprise Architecture, Data Storage and Recovery and Digital Forensics, amongst others. At the end of 2018, we established two new Special Interest Groups – one focusing on Cybersecurity and the other on Artificial Intelligence and Robotics. The Special Interest Groups host events (some monthly) of relevance to their communities of practice.

IITPSA Women in IT 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. The Women in IT chapter committee is responsible for awarding bursaries for tertiary study in an IT related subject. The bursary covers study from the first year and covers all expenses.

IITPSA has nominated representation on the Broad-Based Black Economic Empowerment ICT Sector Council (until early 2020), the South African Bureau of Standards Technical Committees, the Media, Advertising, Information and Communications Technology Sector Education Training Authority (MICT SETA) (until end March 2020) and the University Council of the Vaal University of Technology. 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 again ran the 2019 ICT Skills Survey in collaboration with the Joburg Centre for Software Engineering (JCSE) at the University of the Witwatersrand. The results of this survey and accompanying report are the 'go to' resource for digital skills in the country. We also ran a Digital Skills Summit (one full day) at the Leaderex Conference that was held in Johannesburg in early September 2019. Leaderex is an annual conference held in South Africa for business leaders, professionals and entrepreneurs and typically attracts over one thousand delegates each year. Finally, for the first time, IITPSA hosted an exhibition stand at the 2020 Gartner Symposium and ITXpo held in Cape Town in September. This event attracts more than 1000 CIOs and senior ICT executives, and we were able to engage with just under 250 of them during the three-day conference, thereby increasing knowledge and awareness of IITPSA and our professional designations.

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. IITPSA has recently applied for re-accreditation from IP3 for our Professional Member designation (PMIITPSA), as well as accreditation of our new designation for Professional Chief Information Officers (Pr.CIO™).

- Our current group of members carrying the PMIITPSA designation remains quite small, but we have approved a number of new professional members in the past year and we continue to work on activities and initiatives to grow the base of holders of this professional designation. With the advent of the new Pr.CIO designation, we are also working on growing this community of very senior, recognised ICT professionals.

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).

IP3 Accreditation

KIISE, KOSA (Korea Software Industry Association, <https://eng.sw.or.kr/main/index.html>) and SPRI (Software Policy and Research Institute, <https://spri.kr/>) initiated a joint project to enhance reference models of skills and competencies of ICT professionals in Korea in July, 2020. The goal of the project is to improve ITSQF (IT Sectional Qualifications Framework) so that it is accepted by more ICT industries and the government in Korea. KIISE will extend the project and prepare for the IP3 accreditation in Korea.

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

Overview of Society

- The KNVI, The Royal Dutch Society for the Information professional, is a network where the disciplines IT, archives and library come together. The association states that information plays a leading role in the development of people and society. They therefore see it as their task to promote the development of information professionals by collaborating, facilitating, meeting each other, bringing focus, and leading the way. In doing so, core values of independence, integrity and professionalism are considered.
- 8 Regions and 31 Interest Groups are the heart of the Society. Those groups organize meetings throughout the Netherlands, where the Information professional can meet colleagues and learn more about current developments in the field. Of course, currently with COVID-19, virtual. The regions and interest groups have all their own freedom and budgets to organize activities, sessions, and events.
- Every year one big event is organized centrally. In November 2019, the Interest Group Digital Skills had the opportunity to organise the opening session. A local city leader, as well as a European leader from the public sector, and the leader of The Social and Economic Council of the Netherlands (SER) her Royal Highness Princes Laurentien of The Netherlands held the opening address. In her speech she made the link between the ability to be able to read with the growth of digital environments for example. within government. he asked KNVI members when developing digital environments, to be aware of the fact that this link is not for every citizen or consumer a reality!
- Currently KNVI counts around 4000 members. It is only based at the Netherlands.
- KNVI plays an important role in the development of the e-CF, the European Competence framework. (<https://www.ecompetences.eu/cen-tc-428/>) KNVI is member of the local NEN committee TC 428 for Digital competences and ICT Professionalism and is as such also one of the official Dutch representatives at the European level in CEN TC 428. Also within ITPE, IT Professionalism Europe (ITPE) a network of stakeholders committed to the advancement of IT professionalism at an European level KNVI plays an important role. The network includes public and private sector experts <https://itprofessionalism.org/>.
- KNVI is next to being member of IFIP also member of IFLA. The International Federation of Library Associations and Institutions (IFLA) is the leading international body representing the interests of library and information services and their users. It is the global voice of the library and information profession. During the IFLA WLIC 2019 Closing Session, IFLA President Glòria Pérez-Salmerón officially announced the host location for the 87th IFLA World Library and Information Congress: Rotterdam. KNVI is very honored to host the event, realizing that Corona can create a hurdle.

Accreditation steps

- The first step KNVI took this period to set a scene for awareness creation around professionalism was getting up regulations around PE (permanent education) points. Members who are certified must provide "proof" during any audit that the efforts that have been actualized have been made in a certain period. Members and non-members who attend events of the KNVI can from now on receive PE points. The assessment of whether PE points are awarded to an event is done by the drivers who organize the events. Those points are acknowledged by most of colleague organizations and accreditations institutes in the Netherlands.

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 2018

	1 July 2019 – 30 June 2020	1 July 2018- 30 June 2019
	Actual €	Actual €
Opening balance held in IFIP accounts as of 1 July	46,571.02	46,187.16
Receipts		
Membership Fees	-	
Sponsorship*	-	9,236.45
Total receipts	0	9,236.45
Expenditure		
Travel and associated expenses	2,886.92	7,944.00
Website	140.63	908.63
PR/Marketing	-	-
Meetings (Room Hire & Meals)	1,024.44	-
Other	4,360.00	-
Award (Prize & travel)	1,630.00	
Total expenditures	10,041.99	8,852.59
Excess of expenditures over receipts	-10,041.99	383.56
Total equity carried forward to next period:	36,529.03	46,571.02
Ringfenced Award Sponsorship reduced by expense	7,606.45	9,236.45
Available Equity	28,922.58	37,334.57

Notes and additional detail to Statement of Financial Position

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, 5 board meeting teleconferences</i>	<i>150</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>100</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>
Conservative estimate of member contribution in hours	2,500

* 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 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 in order 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 the IP3 cause.

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

When first convened, the GIC met regularly using a virtual meeting platform. More recently, IFIP and IP3 have reached out to GIC Directors as and when necessary.

The IFIP IP3 GIC provides valued content and topic feedback, speaker recommendations, and speakers to IFIP projects, conferences, and related programs. An outgrowth of this work is increased government and industry support for IFIP and IFIP IP3.

One of the products of GIC is the Skills 2020 report, which was launched in 2015/

There is an ICT Leadership Outreach program supporting IP3 with initial asks (of one or more of the following):

- allow names to stand for nomination to GIC
- provide input to Professional Standards and IP3 programs such as marketing
- provide recommendations and input to IFIP conferences
- support IP3 government engagement
- advocate for IFIP and IP3 within their ecosystem.

The IP3 top three priorities for the GIC:

- government engagement recommendations, introductions, and support,
- advice on IP3 Marketing,
- input on Standards.

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 of IT 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