



Our vision is to

**Lead the
Development
of the Global
ICT Profession.**

**IP3 aims for
ICT professionalism:**

**Define the standard
Promote the benefits**

**Facilitate the
development**

www.ipthreethree.org



Annual Report 2012-2013



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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 now has over 56 country member bodies and affiliates representing over 90 countries. 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 2012-2013



Brenda Aynsley

Chair

Australian Computer Society
Representative



Akira Shibata

Information Processing Society of Japan
Representative



Stephen Ibaraki

Vice Chairman Strategic Relations
(co-opted September 2011-2013)



Brenda Byers

Canadian Information Processing Society
Representative



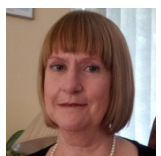
Colin Thompson

Vice Chairman Standards and
Accreditation and Chief Assessor
(co-opted September 2012 -2013)



Gina van Dalen

Proxy for Brenda Byers



Moira de Roche

IITPSA Representative
Marketing Director



Lawrence Gudza

Computer Society Zimbabwe
Representative



Anthony Wong

IFIP Representative (from end March
2013)



Joe Turner

Chair Seoul Accord (Observer)



Roger Johnson

IP3 Immediate Past Chairman (co-opted
September 2011-2013)



Alison Pitman

IP3 Executive Secretariat (ex-officio)
July-December 2012

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.
- To carry out this mission, IP3 works closely with our member bodies and partners who share our commitment to creating a sound global IT profession.

IP3 Vision

- A vigorous program to promote professionalism in IT, define international standards and create a global infrastructure that will encourage and support the development of both practitioners and employer organizations.
- An international IT profession, equivalent in prestige and structure to other established professions such as law, accountancy and medicine.
- 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.
- A program which reaches beyond the developed world to encourage and facilitate the development of IT capability within emerging nations.

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 particular 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.

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:

- Colin Thompson, Chief Assessor (United Kingdom)
- Bob Hart, Senior Assessor (Australia)
- Dr. Stephen Seidman, Senior Assessor (United States)
- Gina van Dalen, Senior Assessor (Canada)

IP3 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 and invitation 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 organisational 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, mandate and list of members 2011-2012 are set out in Appendix 2.

Executive Secretariat

Manages the day to day operation of IFIP IP3 dealing with enquiries and supporting the activities of the Councils, Committees and the Board members. It provides membership support to members of IFIP IP3 and prospective members.



Chairman's Report

Welcome once again to the IFIP IP3 Annual Report for 2013. This reporting period can be characterised as one of energy, enthusiasm and engagement. The IP3 team has increased its pace as volunteers and can count a number of significant milestones amongst its achievements.

We welcomed to the Board this year Lawrence Gudza from Zimbabwe, Brenda Byers from Canada and Joe Turner, as an observer, from the Seoul Accord, as well as Anthony Wong as representative for IFIP from March 2013. My personal thanks go to entire Board for their splendid efforts at improving the outcomes for IFIP and IP3 in 2012-13 and beyond.

We have continued the practice started last year of encouraging members to participate in Board meetings and discussions throughout the year by inviting them to every second Board meeting.

It has been an extraordinarily busy period within the member societies as you can read for yourself in their short reports, every success that the members have adds to the value of the IP3 goals. We are a partnership and we derive our strength from the successes we each have to promote professionalism and the gold standard of ICT professional practice.

In September 2012 IFIP IP3 held its Annual General Meeting for members and its regular Board meeting at which planning for the ensuing period is conducted. The location was Amsterdam and coincided with the IFIP World Computer Conference hosted by NGI/VRI. At that meeting the new format IP3 Annual Report for 2011-12 was received. The Board had agreed that the Annual Report would be based on a fiscal year so that it could be made available with current information instead of being up to 9 months out of date in using a calendar year as the period due to the fact that the AGM is usually held in the third quarter of the calendar year. There has been a very positive reception of the new format.



IFIP IP3 has increased its participation rate in a number of events in this financial year through the offices of its champions, Immediate Past Chair Roger Johnson, Vice Chairman Colin Thompson, Vice Chairman Stephen Ibaraki and Marketing Director Moira de Roche both of whom have attended the May 2013 WSIS Forum in Geneva along with me. In addition Vice Chairman Ibaraki and I also ran a session in the February UNESCO/WSIS +10 Paris Forum and this too is included later in this report. During this gathering we were able to spend time with Professor Colin de la Higuera from SPECIF which is the French Society for Education and Research in Computer Science. SPECIF promotes Education in informatics in Universities, Research in informatics in the academic world, and the specificities of

academic jobs in informatique, according to their website at <http://www.societe-informatique-de-france.fr/>. Professor de la Higuera is considering having SPECIF join IFIP at the invitation of the current IFIP member Société de l'Electricité, de l'Electronique et des Techn. de l'Information et de la Communication – SEE, according to him, and IP3. His hesitation in taking this move is in evaluating the value proposition of membership in what is seen as a fairly moribund, lacklustre society comprised of long serving members. He seemed somewhat heartened by the existence of the IP3 project as evidence of some enthusiasm and energy and he claims to actively support its professionalism message.



An exceptionally cold February in Paris as you can see!

As part of the February European tour, IPC Roger Johnson and I did a "roadshow" which included meetings with André Richier, Principal Administrator DG for Enterprise and Industry, European Commission in Brussels. We were accompanied by Leon Strous President IFIP and Frits Bussemaker, Partner CIONet/IP3 GIC Member. Outcomes from that meeting included an agreement to continue the dialogue on identifying opportunities for improving the professionalism of ICT practitioners in Europe and beyond. The EC is very interested in extending its gaze beyond the European borders and has funded a project on "e-Skills: the international dimension and the impact of globalisation". We met with the Head of the National University of Ireland Manouth's Innovation Value Institute which is the chief investigators and project managers on this project in Dublin. Since that meeting we have remained in touch and I consider we have established a solid relationship with them such that they now consult with us on questions that arise during the project. Other meetings we conducted included IP3 GIC member Declan Brady in his ICS and CEPIS roles to discuss membership of IP3 for ICS and the

opportunities to work more closely with CEPIS and its members to develop a stronger partnership on ICT professionalism. Roger and I crossed the channel once again in this trip to meet up with the President of IFIP, Leon Strous and the Dutch NGI/VRI professional society for ICT with a view to recruiting them to membership of the IP3 professionalism partnership.

On my return to the United Kingdom and the final leg of this trip was to meet with The Open Group's James de Raeye GM India and VP Certification and Steve Philp Marketing Director. I was accompanied by IP3 Vice Chairman Standards and Accreditation, Colin Thompson. We discussed how we might work together and



improve both the standards of practice through certification, within their sphere of interest, and the mutual recognition that independent validation of professionalism as IFIP members can provide through the IP3 partnership's accreditation program. This encounter led to my being offered a speaking engagement in The Open Group conference in Sydney in April at which 200 Enterprise Architects were very keen on ways to achieve this.



I also took the opportunity before leaving the UK to meet with the BCS incoming President Roger Marshall to continue the dialogue on the global professional partnership for ICT.

Other activities we have contributed to include:

- APICTA Awards, Brunei December 2012. I served as a judge in the Asia Pacific ICT Awards. At these awards there is always the opportunity to promote IFIP and the IP3 professionalism partnership. These awards are for companies and students that have won their national awards in the lead up to this ultimate competition. This was funded by the organisers of the Awards and was not a charge to IFIP or IP3.



- Meeting with the Malaysian government official with responsibility for the proposed registration of the Malaysian ICT professionals engaged in critical infrastructure, Dr Abdul Rahim Bin Ahmad in Brisbane on the occasion of addressing the ACS Management Committee. This was funded by ACS.



- The Open Group Conference, Sydney Australia speaking engagement. This was funded by ACS.



- Planning for the IFIP President's stopover in Australia together with ACS senior members and staff in July 2013. See <https://www.youtube.com/watch?v=pPCLjIEqxCE>. During this very short stay, Anthony Wong (Immediate Past President of ACS), Yohan Ramsundara (Secretary-General of SEARCC) and I accompanied the IFIP President to Canberra (capital of Australia) and met with Federal Government officers. We were able to promote the messages of IFIP IP3 and to share information on the e skills agenda particularly the European scene. Thanks go to the enormous efforts that member ACS went into ensuring this was a success. It was also timely as the Australian Workplace and Productivity Agency released its report on the ICT workforce study (<http://www.awpa.gov.au/publications/Documents/ICT-STUDY-FINAL-28-JUNE-2013.pdf>) and this formed the basis of a number of discussions. We also took the opportunity to work with Leon on the IFIP Strategic Plan for 2013. The message we took to these officers was that it is now obvious that ICT is ubiquitous and pervasive within economies and governments need to ensure that consistent and quality outcomes can be guaranteed through having in place an expectation of professionalism and ethical behaviour in our ICT workforce. The ways in which these expectations can translate across borders into the domains of our trading partners is via a regime that provides for mutual recognition of competence, skills and experience such as that provided for by the IP3 Accreditation of member professionalism schemes within the IFIP IP3 global partnership.



In addition, Vice Chairman Ibaraki has again been prodigious in interviewing senior people who in the course of the interview profess their firm commitment to professionalism in ICT and in many cases to the mission of IFIP IP3. These interviews are all stored as professionally produced podcasts and their location is indicated later in this report. Moreover, IFIP IP3 GIC members continue to be supportive in my work and travels and with IFIP programs providing key high-level relationships and contacts, informed insight and valued resources.

Marketing Director Moira de Roche has been a significant force in designing the new website that will launch ahead of the 2013 IFIP General Assembly meeting in Poznan, Poland.

With the changes we have suggested for the future, it has been a year of consideration as well as activity, how will proposed changes impact our accreditation and standards? Thanks go to Vice Chairman Standards and Accreditation, Colin Thompson, who has been able to work with us to provide the flexibility we need as well as maintain the high standards we have set.

I commend this 2013 Annual Report to you and hope once again that you find it as interesting to read as I have found it in reviewing our many activities and achievements.



Brenda Aynsley
Chairman IFIP IP3
Adelaide South Australia

August 2013

VC Standards and Accreditation

The main item of progress this year has been the formation of the new Standards and Accreditation Council which is responsible to the IP3 Board for all matters associated with the standards and processes related to the IP3 accreditation activity. The Council, under the chairmanship of the VC Standards and Accreditation currently comprises two members nominated by member organisations (Adrian Schofield of the Institute of Information Technology Professionals South Africa and Peter Cole of the Australian Computer Society), two members nominated by the Global Industry Council (Brian Cameron and Tan Moorthy) and a Seoul Accord observer (Joe Turner). We have two spaces yet to be filled – a third GIC place and an IFIP nominee.

The main accreditation activity this year has been related to the two organisations holding existing accreditations – the Australian Computer Society (ACS) and the Canadian Information Processing Society (CIPS), both of which were accredited in 2008 and which are therefore due for renewal in 2013.

Preliminary discussions have taken place with the ACS and confirmation received that an application will be made for the renewal of the 2008 'Computer Professional' (CP) Accreditation. Our current expectation is that the necessary assessment visit will take place before the end of Q1 2014. We understand that consideration is also being given to the possibility of an application for the accreditation of the 'Computer Technologist' (CT) scheme and, if such an application is made, it would be considered as part of the same assessment visit.

The CIPS renewal visit is also planned for 2014 but the IP3 Board has agreed that this should be deferred to the fall of that year to allow time for CIPS to complete the transformation process which has been on-going over the past few years. This transformation addresses, inter alia, a number of the issues raised in the original accreditation visit report which resulted in CIPS being granted 'provisional' accredited status. Bob Hart, until recently a senior staff member with ACS, has agreed to lead the necessary assessment visit. Bob is a former IP3 Vice Chair and was a member of the 2008 assessment team for the original CIPS accreditation.

We had planned to make progress over the year on the production of more detailed support material for member bodies aspiring to achieve accredited status. Unfortunately, that has not been possible but we hope to be able to make progress on this over the coming year.

Colin Thompson

Vice Chairman IP3 Standards and Accreditation Council



VC Strategic Relations

The portfolio of Strategic Relations is a key position together with Standards and Accreditation. The work of this portfolio is to engage broadly with industry, government, education and other influencers of ICT professional practice and particularly with other associations such as ISACA, ICCP, FEAPO, ITU, UNESCO, ICC, ACM to name but a few. In making contact and establishing relationships with the people and organisations, opportunities emerge to conduct a dialogue on professionalism in ICT and to encourage support for IFIP and IFIP IP3.

Since late 2012, there are over 30 interviews representing 2100 hours of contribution, recorded and distributed to a potential audience reach of over 100 countries and more than 15 million ICT professionals. Recent interviews include Hamadoun Toure Secretary General of the ITU, Janis Karklins ICT Head for UNESCO, Jean-Guy Carrier Secretary General of the International Chamber of Commerce (ICC), Brian Cameron President of FEAPO, Greg Growcholski International President of ISACA, ... The interviews are targeted to give measured support to the mission of IFIP and IFIP IP3 such as in the value of developing professionalism in ICT practice, the value of IFIP events and committees. This is part of our global partnership recognition that we strive to achieve in IFIP IP3.

As an industry executive I am largely on the road. The nature of the work I undertake means that I am regularly invited to meet with leaders of large organizations on matters unrelated to IFIP and IFIP IP3 and as such will always leverage these situations to also talk about the fine work of IFIP and IFIP IP3 to further support IFIP and IFIP IP3 goals and projects (as VC of Strategic Relations and Chair GIC).

Contacts made

The number of contacts made over the course of the year exceeds 500: a sample of the contacts made follows:

Contacts include the senior leadership from Information Systems Audit and Control Association (ISACA <http://www.isaca.org/>), the Institute for the Certification of Computing Professionals (ICCP <http://iccp.org/>), the Federation of Enterprise Architecture Professional Organizations (FEAPO <http://www.feapo.org/>), Association for Computing Machinery (ACM, <http://www.acm.org>), International Institute of Business Analysis (IIBA <http://www.iiba.org/>). With all contacts IFIP and IFIP IP3 benefits and value are continually outlined.

ICCP has continuing interest in joining IFIP IP3 and IFIP. The ICCP does sit on the ACM Practitioner Board Professional Development Committee and ACM Practitioner Board Professional and Certification Committee. I am a member of the ACM Practitioner Board and chair their ACM Practitioner Board Professional Development Committee which includes the Webinar Committee and Professionalism and Certification Committee (PCC). The ACM PB PCC was formed in 2012.

ISACA has an interest in IFIP and IFIP IP3 after discussions with many of their senior executives and speaking twice at their World Congress in 2012. They are partnered with IFIP and IFIP societies in events. Moreover, the 2012/2013 International President has joined the Global Industry Council (GIC) in 2013, adding to 2013/2014 International Vice-President joining the GIC in late 2012.

FEAPO has support from the US government, Federation CIOs, MITRE, US State CIO Association and international organizations. FEAPO continues to welcome input from IFIP IP3 where I was a founding board director in 2011 and in August 2013 was elected again for another two year board term. Working with FEAPO (Federation of Enterprise Architecture Professional Organizations) the US government is also planning certification for 2016 in EA. There is support for EA certification from Federal and State CIOs who belong to FEAPO. In late 2012, the President of FEAPO joined the Global Industry Council and now sits on the IFIP IP3 Standards and Accreditation Council which made their first major decision in July 2013.

The IIBA is a leading member of FEAPO, hosting several summits, and newly elected to the board for August 2013. The IIBA is 9 years old; 25 thousand members; 20 staff and growing rapidly; multi-million budget currently but growing; fast international growth particularly in India and China; projecting 35K members in 2012 and over 100K by 2016; have their own BOK, competency framework, certifications, conferences, and publications.

Having made these contacts, it's part of my role to ensure they are actively followed up particularly where there is such a strong interest in professionalism, IFIP and IFIP IP3.

Speaking Engagements

I presented on IFIP IP3 and ICT professionalism at the UNESCO WSIS+10 Review in Paris in February 2013. In January, I conducted an interview with Janis Karklins, ICT Head for UNESCO, about the Paris event which is reported in CNN iReport and on Youtube. My discussion with Janis was incorporated into my presentation. From the event, there is good support from civil societies, governments, and industry for IFIP and IFIP IP3. For example, a post-event interview was conducted with the Microsoft General Manager of Education who heads a 750 million USD program.

<https://www.unesco-ci.org/cmscore/events/18-adoption-and-teaching-openlibre-technologies-higher-education-curricula-and-professional>

IFIP IP3 and GIC member Moira de Roche created an engaging environment as moderator for Geneva and IFIP IP3 Chair Brenda Aynsley, continued to establish a solid ground swell of support for IFIP and IFIP IP3. I presented on IFIP IP3 and ICT professionalism at the ITU WSIS in Geneva in May 2013. In 2012, I conducted an interview with Hamadoun Toure, Secretary General of the ITU. My discussion with Hamadoun was incorporated into my presentation. From the event, there is good support from civil societies, governments, and industry for IFIP and IFIP IP3 including Egypt joining the new IFIP IP3 government council. My discussion with Jean Guy Carrier, Secretary General of the International Chamber of Commerce, representing over 6 million businesses was a direct result from ITU WSIS.

<http://www.itu.int/wsis/implementation/2013/forum/agenda/agenda.html>

The ITU is the global regulatory and standards body for Telecommunications. ITU has 193 country governments as members and over 700 corporations and significant global organizations.

Though unrelated to IFIP and IFIP IP3, I was also able to improve relationships with the leadership of the Central Asia region, who are led by the largest economy Kazakhstan; they are prospects for joining IFIP and medium term for IFIP IP3. They are interested in joining the Seoul Accord. As an industry leader I was invited to speak at the Astana Economic Forum (AEF) ASTEX 2013. The Astana Economic Forum (AEF) ASTEX 2013, the largest in Eurasia, went very well. From post-event reporting, the total delegate count was over 12,000 with over 1,200 participating in the ASTEX 2013 (the ICT forum within the Economic Forum). Total country participation was over 132 countries. Delegates included 35 current and former ministers, 10 Nobel Laureates and more than 40 heads of international organizations, corporations and businesses. However I leveraged the speaking invitation to progress IFIP and IFIP IP3 in the region and to grow awareness of the value and benefits of IFIP and IFIP IP3 plus the Seoul Accord.

The day after my speech, I was invited to co-lead an impromptu workshop on education reform with participation from the Ministry of Education, the Chairman of their National IT Company (NIT), the Director of E-learning for NIT, and international senior delegates from the conference. During the event I was also invited to submit my recommendations on Open Government, E-Government, and E-Learning for a special output report from the Astana Economic Forum ASTEX 2013. I provided ten pages which was integrated into a final report and then requested to sign the final document. Post-event, the recommendations and my presentation deck were requested by the Chairman of the National IT Company (NIT) to guide strategy and for implementation. Post-event, I was invited to share the experiences of Canada and the Canadian Information Processing Society (CIPS) on professional standards for ICT specialists, ICT qualifications framework, and ICT education system plus sit on an advisory board. Leveraging the input request, I also provided professionalism data from IFIP and IFIP IP3 which was valued. Australia in particular made a significant contribution with strong resources from Brenda Aynsley, Anthony Wong and the ACS.

Here is a general report about AEF:

<http://blogs.technet.com/b/cdnitmanagers/archive/2013/06/17/journal-astana-economic-forum-astex-2013.aspx>

List of speakers at the Astana Economic Forum ASTEX: <http://astex.kz/speaker?page=3&lang=en#list>

Global Industry Council (GIC)

IFIP IP3 and IFIP IP3 GIC communications technologies are being provided by Cisco, Microsoft, and KPMG representing a contribution of over 10,000 Euros each year.

Since September 2012, the GIC has met six times:

- Five times via teleconference
- One time face-to-face at the IFIP World Computer Congress / GA

At the IFIP World Computer Congress and GA, ten (10) GIC members (or their arranged associates from their organizations) participated and were featured speakers. In addition one GIC member provided the highest-level WCC financial sponsorship.

The IFIP IP3 GIC has provided valued content and topic feedback, speaker recommendations, and speakers to IFIP projects, conferences and related programs including support/speakers for the Paris UNESCO WSIS+10 Review and the Geneva ITU/UN WSIS where IFIP and IFIP IP3 presented. An outgrowth of this work is increased governments and industry support for IFIP and IFIP IP3. GIC members were also strong contributors providing key relationships, contacts, insights to IFIP IP3 Chair Brenda Aynsley in her demanding hard work and extensive travels in supporting the mission of IFIP and IFIP IP3.

IFIP IP3 GIC members also presented at the Astana Economic Forum / ASTEX 2013, the largest in Eurasia with over 130 countries, 12,000 delegates participating. This work is resulting in increased recognition of IFIP and IFIP IP3 including contribution of research, input to education programs and e-Skills in the region.

In June 2013, the GIC approved a new fee-based organization member category and a special GIC committee was formed to draft the updated GIC terms of reference (TOR) which was approved in August 2013.

In July 2013, the GIC members of the IFIP IP3 SAC (Standards and Accreditation Council) deliberated and contributed to the first major decision made by the SAC.

In August 2013, the GIC members “actively” initiated the program and outreach to bring in organizational members.

There are eight new GIC members from the summer of 2012 including two new GIC members from January 2013.

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 on 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.

The most recent additions to the GIC include:

- John Morton, CTO SAS UK and Ireland
- Greg Grocholski, Business Finance Director Ventures, Business Development and Joint Ventures Dow Chemical; 2012-2013 International President ISACA
- Michael Harte, Commonwealth Bank's Chief Information Officer and Group Executive Enterprise Services

Interviews were conducted with industry leaders, each representing over 70 hours of production, (over 2100 hours of contribution), with a potential audience reach of over 100 countries – in support of IFIP and IFIP IP3.

**See Appendix 2 on the GIC members and Appendix 3 for examples of more interviews.

World Summit on the Information Society (WSIS)

IFIP IP3 once again presented at the ITU, UNESCO, UNCTAD and UNDP World Summit on the Information Society (WSIS), in Geneva during May 2013. The title of our Thematic Workshop this year was “Why we need an ICT profession to grow our citizenry, our GDP and our international markets”. There was some meeting of minds amongst attendees and two countries were particularly interested in what we could do for them: Morocco and Egypt. There was also interest expressed by the representatives from Rwanda and Botswana. Pictures of IP3 at the event can be found at <http://bit.ly/13T1lmw>.

Those present at WSIS included high ranking government officials, Ambassadors, senior industry people as well as movie stars and those representing community leaders in the civil society. I registered as a media representative and so had access to many of the dignitaries in the press conferences and took every opportunity to promote the professionalism in ICT message during the week of WSIS.

This year the organisers allowed for more opportunity to interact: the delegates could participate at “town hall” sessions held over several days. There was a deliberate effort to include more questions from the floor. These innovations were a

welcome addition to the already successful format. From the town hall sessions, all the elements of professionalism were captured in the output reports.

IP3 had several meetings with high-level delegates from industry and government.

We are more convinced than ever that there are several benefits of WSIS participation: It provides an excellent platform to push the professionalism in ICT agenda globally for the remaining years of this WSIS project (2015), and influence initiatives that follow; We have an opportunity to significantly contribute to the aims of the WSIS in three of the ten Action Lines: AL C4 (Capacity Building), AL C5 (Building Confidence and Security in the use of ICTs), AL C10 (Ethical dimensions of the Information Society (UNESCO)). This is a very important role for us as IFIP representatives and to spotlight the key contributions of IFIP. Moreover, IFIP IP3 was influential in having UNESCO launch a project targeting Ethical Conduct (a key pillar of professionalism) and in the ITU launching several professionalism-focused programs. IFIP IP3 session outcomes on professionalism are also included in the official proceedings.



Stephen Ibaraki
Vice Chairman IP3 Strategic Relations
Founding Chair Global Industry Council

Member Association Reports

Australian Computer Society (ACS)

The Australian Computer Society (ACS) exists to advance professional excellence in information and communications technology (ICT). Over 21,000 ACS members work in business, education, government and the community, including 329 ICT Professors and Associate Professors and 15 recipients of the Medal of the Order of Australia (OAM) and Member of the Order of Australia (AM). The ACS is passionate about the ICT profession being recognised as a driver of productivity and innovation, and business – able to deliver real, tangible outcomes.

Key ACS activities include performing the role of guardian of ICT professional standards, establishment and maintenance of a core body of knowledge, code of ethics and code of professional conduct.

Within Australia, ACS has been able to influence the establishment of professional ICT benchmarks through legislation including:

- I. Professional Employees Award 2010; which defines minimum wages and employment conditions for ICT professionals.
- II. Professional Standards Legislation; Professionals purport to have specialist skills which can be relied upon by another and consequently laws require that the Professional exercises the required skill to an appropriate level. Any loss from failing to exercise the required level of skill may be pursued through the court system. The ICT profession via ACS was gazetted in Professional Standards legislation meaning that eligible ACS members have capped liability.

The ACS Certified Professional (CP) status is a pre-requisite (along with other requirements) for capped liability.

By July 2013 1,123 ACS members had achieved the CP professional benchmark, and are maintaining this status through continuing professional development.

ACS' contribution to promoting global standards for professionalism in ICT is long and distinguished. We are proud of our contributions through the International Federation for Information Processing (IFIP) and the South East Asia Regional Computer Confederation, and in being the first computer society to have their certification program accredited by IFIP's International Professional Practice Partnership (IP3).

In addition to IFIP and IP3 activities, the ACS has during the last 12 months met with government representatives from Vietnam, Malaysia, Sri Lanka, India, South Africa and China to progress discussions on professionalism and skills capacity building.

Thought Leadership

The Australian Computer Society is a valued and trusted advisor to governments both in Australia and through the region in the provision of technology and vendor neutral advice on public policy issues across the ICT ecosystem.

For example, at the time of writing the ACS is, on behalf of the Australian government, managing a national consultation on cloud computing with a view to providing to the government a consumer cloud protocol. The ACS was also identified by the Australian Workplace and Productivity Agency to work across government, education and industry to address Australia's ICT skills issues impacting the digital economy.

The ACS through its policy and research advocacy research program was the first to accurately measure the digital economy at 9% of GDP. This is a higher contribution than Australia's mining sector and many other sectors combined. ACS research also accurately forecast Australia's skills shortage and has drawn attention to skills challenges affecting women and older workers.

Canadian Information Processing Society (CIPS)

The following is quick over view of some of the initiatives underway within CIPS, Canada's Association of IT Professionals.

CIPS had undergone a revision to its re-certification process. To maintain certified status members must:

- Obtain a minimum of 100 professional development credits over 3 years and;
- Demonstrate that they are actively practicing in the profession (a guideline is that they have accumulated approximately 3,000 hours over the last three years). Work experience must be at least 60% I.T. related.

The 100 professional development credits can now fall into the category of giving back to the profession.

No more than 45 credits can be claimed for giving back to the profession activities over a three year period. These credits can be achieved by providing volunteer, non-compensated ICT activities to non-employer or non-client customer groups. Members are required to maintain evidence in the form of a professional development log record that is required to be submitted if the certified member is to be audited, at time of re-certification. CIPS will annually conduct random audits on a percentage of records.

One of the concerns identified in CIPS' provisional accreditation by IP3 pertained to the fact that all ITCP applicants are not examined on their understanding of the Code of Ethics. As a condition for the removal of the provisional accreditation status, CIPS is required to deliver an ethics examination in those pathways to the ITCP designation where it is not otherwise confirmed.

Development of a Code of Ethics exam is now underway. . The goal of the exam is to test all certification applicants on their knowledge of professionalism issues. A case study environment will be used to encourage participants to think about ethics and about how they would respond when confronted with situations similar to those posed by the case environment questions. The study environment, including exam questions, will be made available in a Moodle environment.

CIPS and the Information and Communications Technology Council, (ICTC) submitted a joint grant proposal under Human Resources Skills Development Canada's Sector Initiative Program to develop a competency based skills framework certification program for the broader spectrum of ICT workers across the entire digital economy. Also a second proposal has been submitted to the same program in conjunction with the Canadian Coalition for Tomorrow's ICT Skills, (CCICT) for the review of Business Technology Management (BTM), accreditation learning outcomes and to expand BTM programs into colleges and polytechnics as well as into specialty programs like digital media and project management. This project will also look to develop and implement BTM certifications for graduates of continuing education versions of the BTM.

CIPS has maintained its representation and active involvement in the IEEE-CS project to develop an IT Body of Knowledge. The IEEE-CS ITBOK committee is progressing with many new contributors coming on board. They have developed a revised table of contents which is 'functional' based. CIPS is contributing to the project by providing overall project direction as a member of the IEEE-CS Professional Advisory Board-IT and as well CIPS members are authoring assigned sections of the ITBOK itself. The PAB-IT committee had its last face to face strategic planning committee meeting June 10th in Seattle which defined a problem statement as a need to better educate students on the basic disciplines of ICT and Computer Science, to ensure they understand the common body of knowledge and try to steer away from specific proprietary skill sets as defining their career.

Since joining the Federation of Enterprise Architecture Professional Organizations (FEAPO) in 2011, CIPS, through its current representative Trekker Armstrong, I.S.P./ITCP and Stephen Ibaraki, FCIPS, I.S.P./ITCP who serves on the FEAPO Board of Directors, has remained actively involved in the organization. Trekker currently chairs the ethics committee.

The above work is not inclusive of what is happening within CIPS, but is indicative of the society's commitment to professionalism and maintaining its connections both nationally and internationally, which includes continued membership in IFIP and IP3.

Information Processing Society of Japan (IPSJ)

Information Processing Society of Japan (IPSJ) announced the proposal of the advanced certification system for information technology (IT) engineers on June 3, 2013. (<http://www.ipsj.or.jp/english/release/citp20130603.html>)

The design of the system takes into account the coordination with the certification system promoted by IFIP IP3.

Many Japanese IT vendors run internal certification system. If the system operates properly and if the level of the system is equivalent to that of the Certified IT Professional System, IPSJ accredits the internal certification system, and issue the certification of Certified IT Professional to the engineer who has the internal certification.

IPSJ has a plan to operate both methods of examining individual engineer by IPSJ, called "direct method", and accrediting internal certification system as above, called "indirect method" in the Certification IT Professional System.

IPSJ plans to start implementing the system step by step after the next fiscal year. Before that, IPSJ began a small trial with the cooperation of six major IT vendors in Japan.

The IITPSA's (CSSA's) Drive to Professionalism

Our big news is that we have followed the example of others such as BCS and IITP New Zealand and changed our name to better reflect the image of a professional body in the 21st century – changing from The Computer Society of South Africa (CSSA) to IITPSA (Institute of Information Technology Professionals South Africa).

In September 2012, we were recognised by the South African Qualifications Authority (SAQA) as a professional body in terms of the South African National Qualifications Framework Act of 2008 and our professional designation (PMIITPSA, formerly PMCSSA) has been registered on the National Qualifications Framework (NQF).

IITPSA continues to work towards IP3 accreditation, with a retired Fellow of the Institute dedicating significant time to help the process along. One of the consequences of our change of name, however, was registering a new Memorandum of Incorporation, to which we now need to re-align our policies and procedures – so some re-work has to be done.

Finally, we are also looking for ways to collaborate and synergise with other local professionals and have signed Memoranda of understanding with ISACA SA Chapter, ISC2 Gauteng Chapter, the South African Institute of Electrical Engineers (SAIEE) and the South African Board for People Practices (SABPP). We also expect to shortly sign one with Project Management South Africa (PMSA).

Appendix 1: Statement of Financial Position

Financial position for 12 months ended 30 June 2013 ³

	1 July 2011 - 30 June 2012	1 July 2012 - 30 June 2013
	Actual	Actual
	€	€
Opening balance held in IFIP accounts as at 1 July		132,791.54
Receipts		
Membership Fees	7,500.00	7,000.00
Reimbursement from WCC2012		1,512.47
Total receipts	<u>7,500.00</u>	<u>8,512.47</u>
Expenditure		
Travel and associated expenses		19,639.76
OCE Travel and Conference Calls	711.77	
Executive/Admin Support ⁴	3,540.32	1,481.14
Web-related support	54.00	90.00
New member/developing countries ⁴		
PR/Marketing	5,147.47	
Other	744.00	1,512.47
Total expenditures	<u>10,197.56</u>	<u>21,210.90</u>
Excess of receipts over expenditures	-2,697.56	-12,698.43
Total equity carried forward to next period:	<u>132,791.54</u>	<u>120,093.11</u>

Notes and additional detail to Statement of Financial Position

Note 1: Reporting year

The reporting year was changed from calendar year to fiscal (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 taken into account when the statement of financial position is considered in considering the value the IP3 Project brings to its parent organisation, IFIP.

Strategic activity	Hours
Board members in policy and governance, annual meeting, 5 board meeting teleconferences	150
Marketing: collateral, website and communications	100
Members advocacy of IP3 to prospective partners	50
Strategic Relations and industry engagement not including interview podcasts	150
Standards and Accreditation development **	50
Recruitment and stakeholder engagement	1,000
Conservative estimate of member contribution in hours	1,500

* Monetary value of members' contributions calculated at a nominal €80 per hour is €120,000 a significant increase in member involvement over the 12 months.

** It was hoped last year that this would increase, however progress was much slower due to the time it took to convene the Standards and Accreditation Council. Now that this has largely happened, it is anticipated that this will increase in 2013-14 as more resources are able to be applied to developing the maturity model

Note 3: New member / developing countries

Some ACS sponsorship is applied to new member and developing country activities once again in this reporting period. This is amplified by the appointment of an ACS member as the IFIP representative. Considerable in-kind (volunteer) time and value is also applied to this area. IFIP IP3 continues to express its gratitude for this level of commitment by ACS members and the organisation in pursuit of the IP3 partnership goals.

Note 4: Donations and sponsorships

In-kind and monetary support amounted to €30,000 (lower due to exchange rate fluctuations but a similar actual contribution to the previous year)

Sponsorships were provided by:

- Cisco Webex support to IP3 Board communications and Microsoft collaboration support to the GIC (\$US20,000)
- ACS support of the chairman (\$AUD15,000) and admin support (\$AUD5,000) for IP3(\$AUD20,000)

Appendix 2: Membership and Representation of IP3 Global Industry Council

IP3-GIC members

Husin Ahmad	Vice President Human Resources Services, ACS - a Xerox company
Gregor Bailar	Business Strategist, IT innovator and philanthropist; CIO Hall of Fame
Venkataraman Balaji	Director, Technology & Knowledge Management, Commonwealth of Learning
Declan Brady	Vice President for Professionalism and Skills of the Council of European Professional Informatics Societies (CEPIS)
Frits Bussemaker	Partner CIONET Nederland, Liaison European Relations CIONET (representing 3500+ CIOs), founder and chair of iPoort (www.ipoort.nl)
Brian Cameron	Founding President of FEAPO, Executive Director Center for Enterprise Architecture, Professor of Practice, Pennsylvania State University
Daniel Castro	Senior ICT Researcher, Information Technology and Innovation Foundation (ITIF)
Bob Chu	CTO Open Group China, Board Director International Governing Board Open Group, Chief Scientist and Chief Enterprise Architect Kingdee Research China
Thomas Dawkins	Deputy Chair IFIP IP3 GIC, Senior Audience Marketing Manager at Microsoft Corporation
Moira de Roche	Acting Vice-Chair IP3 GIC, Independent Consultant and Director IITPSA and Career Planet.
Kim Devooght	Vice President Public Sector, Cisco Systems Canada
Honorable Theresa Grafenstine	Inspector General US House of Representatives, 2013-14 International Vice-President ISACA, Strategic Advisory Council ISACA, Assurance Services Executive Committee at AICPA
Greg Grocholski	Business Finance Director – Ventures, Business Development and Joint Ventures, Dow Chemical, 2012-13 International President ISACA
Michael Harte	CIO and Group Executive Enterprise Services, Commonwealth Bank
Maggie Johnson	Director of Education and University Relations, Google
Jeff Kempiners	VP Client Group Executive, Avanade
Alex Lin	CEO and Founder, ChinaValue
Bill Miller	Bill Miller, Herbert Hoover Professor of Public and Private Management Emeritus and Professor of Computer Science Emeritus, Former Provost Stanford University; President and CEO Emeritus SRI International; Chairman Emeritus Borland; Honorary Dean William F. Miller School of Management of Technology Konkuk University Seoul Korea; Silicon Valley Hall of Fame; founder first Mayfield Fund (venture capital) as special limited partner and advisor
Eliezer Manor	Angel Investor, Shirat Enterprises Ltd., Founder Israel Venture Capital and Private Equity Association, Founder VC Silicon Valley, Founder Government Incubators China/Chile/Eastern Europe
Tan Moorthy	Senior VP and Group Head Education and Research Infosys Limited
John Morton	CTO SAS UK and Ireland
John Oxley	National Manager Microsoft Canada
Kumar Parakala	COO KPMG Advisory, Head of IT Advisory KPMG in Europe, Middle East, Africa (EMA) and India
Professor Reinhard Posch	CIO for the Austrian Federal Government
Kishore Swaminathan	Entrepreneur, Past Founding Director and Chief Scientist of Technology Labs, Accenture

IP3 representatives to GIC

Stephen Ibaraki, IFIP IP3 Vice-Chair, Chief Officer Strategic Relations and Board Director, Founder and Chairman GIC

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; and
- 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 desired;
- 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 in order to collaborate more effectively with industry and specific outside groups;
- Offer expert advice and insight in an effort 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.

Appendix 3: Select Summary of Recent Interviews with Influential Industry Stakeholders

Joanne Molesky, Principal Consultant, ThoughtWorks

Joanne is the global practice lead for Continuous Delivery at ThoughtWorks, a company that is devoted to the art and science of delivering custom software. Joanne's professional passion is for finding practical ways to implement processes in IT that provide enough control to give visibility and transparency into what is happening without bogging teams down in unnecessary activities that waste resources. She has worked many years in the trenches of IT — as a business analyst, technical writer, quality assurance analyst and a GRC analyst. Before her career in IT, she was a registered dietitian, where she learned the importance of standards, process, control and professionalism when lives were on the line. Her certifications include COBIT, ITIL, CRISC and CISA

Ron McLaren, Operations Manager SFIA, International Top Authority in Skills and Capability Management

Ron McLaren has long-term practical IT industry experience, having worked extensively with the development, introduction and marketing of new technologies, products and techniques since 1966. This has involved the management of technical people in customer-facing, product development and service delivery environments. He has concentrated on the management of the IT capability of individuals: he established the Engineering Professional Community in a major IT product and services company, developing and implementing a framework of professional roles and skills for the company's 13,000 technical staff. For ten years, as Operations Manager of the SFIA Foundation, Ron has contributed to the development of the Skills Framework for the Information Age (SFIA), helping it to grow to worldwide acceptance, with users in 100 countries.

Andy Chen, President and CEO Catronic, Past CTO and Vice President Ontario Power Generation

Andy Chen is a senior business advisor for several leading global consulting firms and enterprise software vendors. Andy has over 30 years of experience in utility sectors specializing in Nuclear Power Generation. For the past five years, Andy has been assisting leading global consulting firms in business development for the Nuclear Utilities in China and in North America. In 2008, Andy held the position of the Chief Technology Officer and Vice President, Enterprise Strategy and Architecture of a Canadian-based electricity generator. Andy had extensive experience in a variety of engineering and systems roles within the company. Andy also volunteers for various professional organizations. He is actively involved in the Professional Activity Board of the IEEE Computer Society (IEEE-CS). He also presides in the Board of Directors for the Federation of Enterprise Architecture Organization (FEAPO). FEAPO is a worldwide association of professional organizations which have come together to provide a forum to standardize, professionalize, and otherwise advance the discipline of Enterprise Architecture (EA).

Jean-Guy Carrier, Secretary General International Chamber of Commerce

Jean-Guy Carrier became Secretary General of the International Chamber of Commerce on 24 January 2011. He is also Director of Programmes for ICC's Research Foundation. Mr. Carrier has initiated and led research-based publishing and public information programmes for various international and national organizations, most recently for the World Trade Organization (WTO), from 1996 to 2008. As publisher and chief editor he developed the WTO's extensive publishing and Internet-based public information programmes, focused on research and information about the multilateral trading system. He initiated the WTO Reference Centre programme, a network of computerized WTO information and research centres established in the trade ministries of over 100 developing countries. Mr. Carrier is the author of six books and has held senior positions with the International Institute for Systems Analysis in Vienna, Austria, the Economic Council of Canada, the Canadian Broadcasting Corporation and with global communications consulting firms. His clients as a consulting executive were mainly multinational companies. He has contributed numerous articles for print and electronic media.

Lauren Woodman MS GM, Education Programs; Top Global Technology Policy Authority

Lauren Woodman serves as the General Manager of Education Programs in the Worldwide Public Sector organization of Microsoft Corp. In this role she is responsible for Microsoft's most significant education programs: Partners in Learning, a 15-year, \$750 million investment to help educators use technology effectively in teaching and learning; and Shape the Future, a global initiative to close the opportunity divide by enabling technology access for every student. Before joining Microsoft in 2002, Woodman served as the executive vice president for the Software & Information Industry Association, the principal trade association for code and content companies. A regular speaker and author on technology policy issues around the world, she served in a similar position with the Software Publishers Association since 1996. Woodman began her career on Capitol Hill with Rep. Jim Cooper (TN) as a legislative assistant handling public policy issues on telecommunications, trade and defense.

Dharmesh Mehta: Top Global Cool Tech Authority and Senior Director Microsoft Corp.

As senior director of product management and product marketing for Outlook and SkyDrive at Microsoft Corp., Dharmesh Mehta is responsible for driving business and product strategy, marketing campaigns, PR and evangelism for Outlook and SkyDrive, a set of leading services for personal email and cloud storage. Dharmesh and his team are chartered with a worldwide business through a combination of global execution and local innovation. They drive the business strategy and marketing execution for Outlook and SkyDrive. Dharmesh has worked at Microsoft since 2005 in a variety of product management, marketing and strategy positions. Most recently, he oversaw Hotmail and Messenger, the world's most popular IM service. Prior to that, he drove the strategy behind Microsoft's entry into the enterprise hosted messaging and collaboration services industry as a part of Microsoft's Corporate Strategy Group.

Professor Mihaela Ulieru, President IMPACT Institute, Global ICT Innovation Researcher, Luminary and Authority

Professor Mihaela Ulieru is a seasoned expert in ICT-enabled innovation and President of the IMPACT Institute for the Digital Economy, aiming to capitalize on her achievements as the Canada Research Chair in Adaptive Information Infrastructures for the eSociety which she held for five years since July 2005. Among the highlights are her large scale international collaborative projects aiming to make ICT an integral component of policy making for a healthier, safer, more sustainable, and innovation-driven world: IT Revolutions, Industrial Informatics, Future of Medicine, Living Technologies and Emulating the Mind. In 2007 she was appointed to the Science, Technology and Innovation Council of Canada by the Minister of Industry, to advise the government and provide foresight on innovation issues related to the ICT impact on Canada's economic development and social well-being against international standards of excellence. In 2006 she was appointed to the Science and Engineering Research Council of Singapore, and in 2010 she was appointed Expert in ICT-Enabled Innovation at the Executive Authority for Scientific Research and Innovation of Romania, and as Adjunct Research Professor at Carleton University in Canada. She was on the Governing Board of IEEE-Industrial Electronic Society and on the Scientific Board of several EC Networks of Excellence in the Future and Emerging Technologies ICT Directorate. As a tenured professor at the University of New Brunswick (2005-2012), she founded the Adaptive Risk Management Laboratory with the Canada Foundation for Innovation sponsorship and led multi-million dollar projects with NSERC, CANARIE and DRDC.

Robin Raskin, ICT and CES Legend, Digital Pioneer

Robin Raskin has been translating technology into consumer friendly terms for more than 30 years. Today she spends most of her time working with Living in Digital Times, a company that she founded in 2008. Living in Digital Times produces a number of lifestyle events, but its most important partnership is with the CEA to produce a series of lifestyle conferences and exhibits at the annual International Consumer Electronics show each January in Las Vegas. All of these events combine fun, education and a look at a slice of a particular demographic through the lens of technology. She also writes for Mashable, Forbes.com, Huffington Post and on her own company's blogs. Raskin was featured as a daily columnist on Yahoo! Tech, she was the founder and editor-in-chief of FamilyPC, editor of PC Magazine, and columnist for USA Today Online and the Gannett News Service. She has authored six books about parenting in the digital age, for publishers including Random House, Simon and Schuster, and Hyperion. As a freelance writer, her work has appeared in such magazines as RedBook, Real Simple, FamilyCircle, PC World, PC Week, InfoWorld, Working Mother, Working Woman, Child, and Newsday, and on websites such as Mashable and the Huffington Post. Her most recent book, *A Parents' Guide to College Life* (Random House, 2006) provides parents with practical answers to 180 "must ask" questions. She's written six other books on raising kids in a digital world. Raskin is an outspoken advocate for parental involvement in raising digital kids. She frequently addresses parents and educators, policy makers, and the high tech industry on topics like Internet safety and raising digital kids.

Stephen Forte, CSO, CTO, Founder, Microsoft MVP, Global Entrepreneur and Developer

Stephen Forte is the Chief Strategy Officer of the venture backed company Telerik, a leading vendor of developer and team productivity tools. He is the co-founder and executive director of AcceleratorHK, Hong Kong's first start-up accelerator. Involved in several start-ups, he was the co-founder of Triton Works, which was acquired by UBM (London: UBM.L) in 2010 and was the Chief Technology Officer and co-founder of Corzen, Inc., which was acquired by Wanted Technologies (TXV: WAN) in 2007. Prior to Corzen, Stephen served as the CTO of Zagat Survey in New York City (acquired by Google in 2011), and also was co-founder of the New York-based software consulting firm The Aurora Development Group. Stephen is also a Certified Scrum Master, Certified Scrum Professional, PMP and also speaks regularly at industry conferences around the world. He has written several books on application and database development. Stephen is also a board member of the Scrum Alliance.

Ajit Jaokar, Founder Feynlabs, FutureText, Blog — OpenGardens

Ajit Jaokar is the founder of the London based research company FutureText which specializes in identifying and researching cross-domain technology trends. In 2009, Ajit was nominated to the World Economic Forum's 'Future of the Internet' council. In 2011, he was nominated to the World Smart Capital program (Amsterdam). Ajit moderates/chairs Oxford University's Next Generation Mobile Applications Panel and conducts courses at Oxford in the next generation Telecoms trends. In 2012, he was nominated to the board of Connected Liverpool — Resilient Liverpool programs — based in the city of Liverpool for their Smart city vision. His consulting activities include working with companies to define value propositions across the 'converged stack'. Ajit has worked with a range of commercial and government organizations including in strategic and visionary roles. Since May 2005, he has founded and run the OpenGardens Blog which is widely respected in the mobile/telecoms industry. Ajit is the founder of the ed-tech start-up www.feynlabs.com. Feynlabs is the first initiative to teach the concepts of programming languages to kids (as opposed to a specific programming language).

Paul Orlando, Renowned Global Start-up Wizard, Serial Entrepreneur

Paul Orlando runs a lean startup bootcamp called [Startups Unplugged](#) and is also co-founder of [AcceleratorHK](#), a mobile startup accelerator. Previously, he co-founded a startup in New York and worked in telecom in China. He focuses on early-stage startups (pre product-market fit). He has presented data and entrepreneurial tales in Asia and the US at events including InvestHK, BizSpark, Make a Difference Asia, Columbia, StartupsHK, Kairos Society, DorkBot, and the Levin Institute. He also had lots of fun helping build a 2012 TechCrunch Disrupt Hackathon winner. (AcceleratorHK is a three month accelerator based in Hong Kong, focused on mobile startups doing hybrid development with HTML5. We have a full program in the Lean Startup and Customer Development techniques, mentors, and technical help to make cross-platform development easier. [Forbes](#) just named Hong Kong the #1 tech capital to watch after Silicon Valley and New York.)

Robert Deutsche, Global Top Technology Expert and Executive

Robert Deutsche, Principal Architect/Systems Engineer — Enterprise Cloud Solutions, SOA, IT Transformation & Data Center Consolidation. Bob Deutsche provides business and technical advisory services as well as thought leadership to mid-level and senior-level executives in the Global 50 and public sector. With 30 years of experience in industry, Bob has held senior level positions with companies that most recently include Intel, CSC and Deloitte. With a varied background that includes data center operations, software development and CIO positions in both enterprise and LOB IT organizations, Bob has an extensive and pragmatic knowledge of cloud solution frameworks, big data, information security investments, enterprise architecture, business process improvement, business process reengineering, organizational change management, software development (CMM Level 4/5 organizations), systems engineering, and governance frameworks. His passion is to insure that technology investment is based on the benefit it provides to the enterprise.

Professor Frans van der Reep, World Renowned Visionary Thought Leader and Innovating Entrepreneur

Frans van der Reep (1954, LinkedIn, <http://twitter.com/fvdr>) is a thought-leader renowned worldwide for his accurate and early forecasts of business and technological trends, valued highly for his ability to unveil hidden assumptions and relate directly to genuine underlying issues. A technological visionary, media futurist, game changer and popular inspirational speaker, Frans is dedicated to returning core moral values to the business arena, viewing universal traits such as respect for others and integrity as the foundation of a stable business culture. Known among his many roles as a researcher, trend watcher, writer, podcaster and entrepreneur, he is a Professor at the Inholland University of Applied Sciences, a Senior Strategist at Royal KPN, holds several board positions within both the public and private sector and was knighted in 1997 by Her Majesty Queen Beatrix for contributions to society. He has also published many papers and books on the influence and impact of the Internet, connecting the varied intellectual realms of Strategy, Sales & Marketing, HR, Finance, Innovation, Business Process Management and IT.

David Alan Grier 2013 President IEEE-CS, Top International Technology and Policy Authority

David Alan Grier is the 2013 President of the IEEE Computer Society. He has served the society as its Vice President of Publications, Director of Magazines, and Editor in Chief of the IEEE Annals. He writes on the subject of technology and its social implications. His books include: *"When Computers Were Human"* (Princeton 2005), *"Too Soon To Tell"* (Wiley 2009), *"The Company We Keep"* (IEEE Computer Society, 2013), *"The Computing Machines of Charles Babbage"* (editor, IEEE CS, 2010). He is currently at work on a book on crowdsourcing. He has a PhD in Mathematical Statistics from the University of Washington in Seattle, and is an associate professor of Science and Technology Policy at George Washington University. He has served as Associate Dean or Program Director in schools of international affairs, engineering and liberal arts. He has also worked in industry, serving as a software designer for Burroughs Computer Corporation in the 1980s.

Ambassador Karklinš, ADG Communication and Information UNESCO

Before assuming duties as the Assistant Director General of Communication and Information of UNESCO, Ambassador Karklinš served as the Latvian Ambassador to France, Andorra, Monaco and UNESCO. He was also the Permanent Representative of Latvia to the United Nations in Geneva. During his stay in Geneva, he served as the First Vice-Chairman, and one year later as Chairman of the Council of the International Organization for Migration (IOM). He has held several elected posts in the World Intellectual Property Organization (WIPO) and UN Commission of Science and Technology for Development, as well as presided over the Group of Governmental Experts on Cluster Munitions within the framework of the Convention on Certain Conventional Weapons (CCW). He also served as the Vice-President of the Preparatory Committee of the Geneva Phase of the World Summit on the Information Society (WSIS), and was President of the Preparatory Committee of the Tunis Phase of WSIS. Ambassador Karklinš represented Latvia in the Governmental Advisory Committee of ICANN and chaired this Committee from 2007 until June 2010. Prior to the posting in Geneva, he served as the Under-Secretary of State in Latvia. He also served as Counsellor in the Latvian Embassies in both France and Finland.

Professor Michael Bartz, Global Top Authority in Next Generation Enterprise Business Transformation

Michael Bartz is a professor of International Business Management at IMC University of Applied Sciences Krems in Austria. Before joining IMC University, he developed a management career with Philips, Capgemini and Microsoft, collecting over 17 years of management experience. Within his research field Michael is especially focussing on measuring the impact and return on investment of New World of Work business transformations. The introduction of new work forms to corporate organisations requires substantial investments. New World of Work investments cover areas like the roll out of video conferencing systems, collaborative software platforms, the introduction of home office or mobile working schemes, or the roll-out of new office usability concepts. It can also mean the establishment of state-of-the-art remote or virtual management techniques based on Management by Objectives and Balanced Scorecard Management systems. In any case, a New World of Work transformation represents a highly integrated, interdisciplinary change programme which binds financial and human resources at a substantial level. The New World of Work research center at IMC University, which Michael established, supports companies like Microsoft, Würth, ERSTE Bank and EGGER. Michael regularly presents research results and shares his newest insights at New World of Work related conferences (e.g. Human Capital Forum, Alpbach Congress), publishes papers, and is running a German language blog: www.newworldofwork.wordpress.com

Murray Goldberg, Award Winning International Top Innovating ICT Serial Entrepreneur

Murray Goldberg was a tenured faculty member in the department of Computer Science at the University of British Columbia, when he left to become the president and founder of WebCT, a company which grew to be the world's leading learning management system (LMS), serving 14 million students in 80 countries at 4,000 universities and colleges. In 2002, Murray co-founded Silicon Chalk, a company which built software to enhance the classroom experience in higher education. Murray went on to create Brainify.com, an academic social bookmarking and networking site for university and college students, and then AssociCom, a company which creates software for private professional networking within professional associations. Most recently, Murray has created MarineLMS, a learning management system for training in the maritime industry to combine his passions for educational technologies and the sea. In addition, Murray has served as a consultant, advisor, board member and board chairman for numerous technology and education companies. A widely recognized thought leader in the field of online teaching and learning, Goldberg has given over 200 keynotes and invited lectures, and is an expert resource for business, education and technology organizations and education media. Murray has won numerous teaching, industry, and national awards.

Adrian Cho Top Global Innovator, Author, Musician

Speaker, author, jazz musician, software development manager. Adrian Cho is well-qualified to draw parallels between the worlds of business and the arts. His diverse career in business includes extended stints in consulting, research and development, finance, and intellectual property. At IBM Adrian is currently leading a strategic initiative across IBM software group brands to improve IBM's web presence for engaging with developers. In his previous role at IBM, Adrian managed a complex, globally distributed, agile software development project coordinating contributions from over four hundred people at twenty-five locations in ten countries. A band leader and innovative artistic collaborator, he performs as a bassist and conductor and is the founder and artistic director of the Ottawa Jazz Orchestra, a unique, critically acclaimed symphonic jazz ensemble that brings together an impressive array of professional jazz and symphony musicians. Combining his experiences in arts and business, Adrian developed the Jazz Process, an execution-oriented framework for collaboration, innovation, and agility that can help teams in any domain improve their performance. Adrian speaks and blogs about high-performance teamwork on a regular basis. His book, *"The Jazz Process: Collaboration, Innovation and Agility,"* has been endorsed by a diverse collection of thought leaders.

http://www.stephenibaraki.com/cips/cips_interviewslist.html

Appendix 4: 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
IITPNZ	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	Industry Association of medium to large Indian IT-BPO organisations
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