Title: Good Governance is a Professional Standard, which builds Trust and Cybersecurity in the entire digital ecosystem.

Organisers: IFIP IP3 chair Moira de Roche

Session Duration: 120 minutes

Session Date: 17 December 2017, 11:00

Rapporteur: Moira de Roche Holmes

Overview: Digital technologies provide immense opportunities for economic prosperity, equity, and educational growth. However, they also challenge the status quo, and could be used as agents for economic and global disruption and as potential threats to our critical infrastructure. It is imperative that: individuals as users and consumers; organisations, corporations and educational institutions; and governments, do everything they can to mitigate risk, promote trust in digital technologies and services to support the broader distribution and access of the internet. We will also examine some of the emerging ethical dimensions posed by converging digital technologies.

We will explore these challenges, and how we can work together to engender trust in the entire digital ecosystem. The professionalisation of Cyber-Security and the associated framework will be launched.

The speakers and the audience will consider how to develop strategies to be safe now and into the future.

Agenda:

Session	Content	Speaker	Duration
1. Opening	• Explain agenda • Introduce speakers • IP3 Overview	Moira de Roche, Speaker and Moderator	5 minutes
2. Governance as a Professional Standard	• What makes a Professional? • Governance as the "glue' that holds everything together • Professional Standards	Moira de Roche	15 minutes
3. The Professionalisation of Cyber-security	• Challenges & key issues • What if we don't? • What's happening around the world? • Framework for implementation	Dr Jill Slay	30 minutes
4. Trust and the IFIP Duty of Care for Everything Digital (iDOCED)	• Trust as a multi-disciplinary concept, and its importance in the Digital world • Why is the Duty of Care so vital in the Fourth Industrial Revolution? • The ethical dimensions of converging digital technologies in our digital ecosystem	Anthony Wong	20 minutes

5. Panel Discussion	- The audience will have the opportunity to pose questions to the panel (delegates are asked to come with prepared questions, if possible) - Delegates will consider the status of their organisations or countries in terms of protecting customers and employees. - Discuss strategies that can be deployed to protect everyone. How can we work together towards this common goal? - Agree on Action Items to take this forward, including a two- or three-point action plan for IFIP IP3	All speakers, chaired by Moira de Roche	50 minutes

Speakers

Moira de Roche	IFIP IP3 Chair, FIITPSA, PMIITPSA, Speaker at many local and international conferences. Presented Thematic Workshops at WSIS since 2012. za.linkedin.com/in/moiraderoche
Dr Jill Slay	Director of Cyber Resilience Initiatives for the ACS and led development of the Cyber Security Professional framework. Also, Professor of Cyber Security at the Australian Centre for Cyber Security at UNSW Canberra. Broad expertise in Cyber Security specialising in Digital Forensics. au.linkedin.com/in/jill-slay-3960a4114
Anthony Wong	ACS President, FACS CP, International Federation for Information Processing (IFIP) Councillor, and Principal of a multidisciplinary law and consulting practice. A lawyer and ex-CIO, advises in the area of the Digital Economy, privacy and data protection, security and Cyberlaw, and the rapidly emerging issues around the Internet of Things (IoT), Big Data, Artificial Intelligence (AI), Machine Learning and other technologies. www.linkedin.com/in/wonganthony

Desired results/outputs

We hope that delegates will have some take-aways to implement after the session. After the session, the key messages and challenges will be summarized by the session chair. This report will be the official submission for the session.

Discussions during panel session

- How safe are Crypto currencies? – Dr Sawyer suggests it is too early to say. Bitcoin and the Internet were built for a trust-less society.
- What can we as consumers do to increase trust? Research shows that consumers trust things that work consistently well.
- Registration of IoT devices impossible, but standards must be enforced.
- Design teams are trans-disciplinary
- Ethical issues are often quite philosophical
- Education system must be reengineered
- We should have a global definition of a cyber-security professional

Action steps

The above items will be carried into the IFIP IP3 WSIS Thematic Workshop.

Audience

Approximately 12 delegates attended the workshop, although some arrived late or left early. Nevertheless we managed to facilitate a robust discussion. 30% of the delegates were female, and two of the speakers were female – other than this we did not focus on gender specific issues.