



International Federation for Information Processing

**TC-11**  
**Security and Privacy Protection in Information Processing Systems**

## **Factsheet**

### **WG 11.12**

## **Human Aspects of Information Security and Assurance**

Version: July 2020

### ***Introduction***

Achieving security within information systems is no longer simply a technical problem but increasingly involves the active participation of people in order to securely design, deploy, configure and maintain systems. Whilst the level and sophistication of this interaction may vary; anyone who is engaged with technology, from administrators of the most complex of IT systems to owners of simple devices, all need to make decisions that have an impact on the security and privacy of their device and information.

Unfortunately, while people represent a key facet in achieving security, evidence demonstrates that this is often the point of failure. With security now impacting all aspects of society, from the young to old, enterprise organisation to the individual, it is imperative that systems are designed, policies are put in place that assist people in ensuring the security of their systems. It is against this context that Working Group 11.12 aims to contribute.

### ***Aims and Scope***

The Human Aspects of Information Security and Assurance Working Group seeks to promote all aspects of research that can better support and inform our use of security within information systems.

The scope of the WG11.12 includes any aspects that pertain to the attitudes, perceptions and behaviour of people, and how human characteristics or technologies may be positively modified to improve the ease of use and level of protection provided.

Indicative themes within this remit will include:

- Information security culture
- Awareness and education methods
- Enhancing risk perception
- Public understanding of security
- Usable security
- Psychological models of security software usage
- User acceptance of security policies and technologies
- User-friendly authentication methods
- Automating security functionality
- Non-intrusive security
- Assisting security administration
- Impacts of standards, policies, compliance requirements
- Organizational governance for information assurance
- Simplifying risk and threat assessment
- Understanding motivations for misuse
- Social engineering and other human-related risks
- Privacy attitudes and practices
- Computer ethics and security

### ***Products, services and activities***

The list of main activities within the scope of Working Group 11.12 are considered to be as follows:

IFIP conferences (in all variations)

- Working conferences (includes proceedings, printed and / or electronically)
- Workshops (includes proceedings, printed and / or electronically)
- Schools (includes proceedings, printed and / or electronically)

Joint conferences with others

- Similar societies

Projects

- White papers on new developments / policy statements
- Guidelines / best practices / codes (e.g. of ethics)

### ***Membership rules***

The IFIP TC11.12 membership is comprised of the officers, members and observers. Members and Observers of the Working Group are expected to be qualified researchers and/or professionals engaged in the field of human factors. Members are nominated by the Chair and subject to IFIP TC-11 approval.

Members are expected to participate in Working Group activities. At a minimum, members must present a paper at a WG 11.12 conference or workshop, or take an active role in the organization of a conference or workshop at least once every three years. Additionally, members will be expected to contribute content to the online forum and repository as appropriate.

Individuals attending WG 11.12 conferences or workshops will be offered observer status. Observers who do not attend at least one WG 11.12 event every three years will lose their status.

A three-year period of inactivity is taken to indicate that a member or observer is no longer interested in the technical area, and can be cause for removing the member from the membership list.

## **Contact details**

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## **Annex a. Membership**

### **Officers. current**

Chair:

Prof Kerry-Lynn Thomson (Nelson Mandela University, South Africa).  
1<sup>st</sup> three-year term, September 2019 – August 2022.

Co vice-chairs:

Prof Adele Da Veiga (University of South Africa, South Africa)  
1<sup>st</sup> three-year term, September 2019 – August 2022.

Dr Paul Stephens (Canterbury Christ Church University, UK)  
1<sup>st</sup> three-year term, September 2019 – August 2022.

Secretary:

Mr Malcolm Pattinson (University of Adelaide, Australia)  
2<sup>nd</sup> three-year term, September 2019 – August 2022.

### **Membership list, as of August 2020**

<b>Australia</b>	Kim-Kwang Raymond Choo, University of South Australia Jeffrey Foster, Western Sydney University Paul Haskell-Dowland, Edith Cowan University William Hutchinson, Edith Cowan University Kathryn Parsons, Defence Science and Technology Group Malcolm Pattinson, University of Adelaide
<b>Austria</b>	Stefan Bauer, Vienna University of Economics and Business Ulrike Hugl, University of Innsbruck
<b>Canada</b>	Bill Bonner, University of Regina
<b>Denmark</b>	Weizhi Meng, Technical University Denmark
<b>Finland</b>	Bilal Naqvi, Lappeenranta University of Technology
<b>Germany</b>	Steffen Bartsch, Technical University of Darmstadt Luigi Lo Iacono, European University of Applied Sciences Maina M. Olembo, Technical University of Darmstadt Sebastian Pape, Goethe University Frankfurt Stephan Rothe, Hochschule Furtwangen University Melanie Volkamer, Karlsruhe Institute of Technology Steffen Wendzel, Fraunhofer FKIE
<b>Greece</b>	Sokratis Katsikas, University of Piraeus Costas Lambrinoudakis, University of Piraeus
<b>Ireland</b>	Lena Connolly, NUI Galway/UC Berkley
<b>India</b>	Mahak Sachdeva, YMCA University of Science and Technology (Associate Member)
<b>Italy</b>	Victor Pomponiu, Università degli Studi di Torino
<b>Luxembourg</b>	Gabriele Lenzini, University of Luxembourg Moussa Ouedraogo, Luxembourg Institute of Science and Technology

<b>Malaysia</b>	Hamed Taherdoost, Hamata Business Solutions
<b>Netherlands</b>	Jurgen Jansen, NHL Stenden University of Applied Sciences
<b>Nigeria</b>	Adewole Adekola, University of Ibadan
<b>Norway</b>	Johan van Niekerk, Noroff School of Technology and Digital Media
<b>Saudi Arabia</b>	Asfoor Ayman, Jubail Industrial College
<b>Singapore</b>	Arif Perdana, Singapore Institute of Technology
<b>South Africa</b>	Adele Da Veiga, University of South Africa Evangelos Frangopoulos, University of South Africa Noluxolo Gcaza, Council for Scientific and Industrial Research (CSIR) Elmarie Kritzinger, University of South Africa Marianne Loock, University of South Africa Francois Mouton, Cyanre The Digital Forensic Lab Khangwelo Muronga, University of South Africa (Associate Member) Zainab Ruhwanya, University of Cape Town Nader Sohrabi Safa, Nelson Mandela University Elmé Smith, University of South Africa Kerry-Lynn Thomson, Nelson Mandela University Maureen van den Bergh, University of Johannesburg Rossouw von Solms, Nelson Mandela University
<b>Sweden</b>	Simone Fischer-Huebner, Karlstad University Joakim Kävrestad, University of Skövde
<b>United Kingdom</b>	Debi Ashenden, Cranfield University John Blythe, Northumbria University Kate Buttriss, University of Portsmouth Nathan Clarke, University of Plymouth Lynne Coventry, Northumbria University Rosanne English, University of Glasgow Mark Evans, De Montfort University Steven Furnell, University of Plymouth Ram Herkanaidu, Independent Researcher Andrew Jones, University of Hertfordshire Shujun Li, University of Kent Jason Nurse, University of Kent Jacques Ophoff, Abertay University Anastasis Petrou, University of East London Karen Renaud, University of Glasgow Ben Sanders, University of Winchester Neetash Saxena, Bournemouth University Siamak Shahandashti, University of York Paul Stephens, Canterbury Christ Church University

Geordie Stewart, Risk Intelligence  
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**United States of  
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Sanchari Das, Indiana University/American Express  
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James Voorhees, SANS Technology Institute  
Merrill Warkentin, Mississippi State University  
Robert Yanus, University of Medicine & Dentistry of New Jersey

**Officers, history**

Prof Steven Furnell – Chair – May 2010 – August 2013  
Prof Nathan Clarke – Chair – September 2013 – August 2019