



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: June 2023

## ***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 apply to the Working Group and approved by the Chair and committee members, 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**

Contact of Working Group Chair:

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## ***Annex a. Membership***

### **Officers, current**

Chair:

Prof Kerry-Lynn Thomson (Nelson Mandela University, South Africa).  
2<sup>nd</sup> three-year term, September 2022 – August 2025.

Co vice-chairs:

Prof Adele Da Veiga (University of South Africa, South Africa)  
2<sup>nd</sup> three-year term, September 2022 – August 2025.

Dr Paul Stephens (Canterbury Christ Church University, UK)  
2<sup>nd</sup> three-year term, September 2022 – August 2025.

Secretary:

Dr Malcolm Pattinson (University of Adelaide, Australia)  
3<sup>rd</sup> three-year term, September 2022 – August 2025.

### **Membership list, as of June 2023**

<b>Australia</b>	Jeffrey Foster, Western Sydney University Oliver Guidetti, Edith Cowan University Paul Haskell-Dowland, Edith Cowan University William Hutchinson, Edith Cowan University Kaie Maennel, University of Adelaide Kathryn Parsons, Defence Science and Technology Group Malcolm Pattinson, University of Adelaide Dong Seong Kim, University of Queensland
<b>Austria</b>	Stefan Bauer, Institute for Information Management and Control Ulrike Hugel, University of Innsbruck
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<b>Denmark</b>	Weizhi Meng, Technical University Denmark
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<b>Germany</b>	Steffen Bartsch, Technical University of Darmstadt Luigi Lo Iacono, University of Europe for Applied Sciences Maina M. Olembo, Technical University of Darmstadt Sebastian Pape, Goethe University Frankfurt Stephan Rothe, PwC Deutschland Melanie Volkamer, Karlsruhe Institute of Technology Steffen Wendzel, Worms University of Applied Sciences
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<b>Indonesia</b>	Puspita Kencana Sari, Telkom University
<b>Luxembourg</b>	Gabriele Lenzini, University of Luxembourg Moussa Ouedraogo, Fujitsu Luxembourg

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<b>Nigeria</b>	Adewole Adekola, University of Ibadan
<b>Norway</b>	Sokratis Katsikas, Norwegian University of Science and Technology (NTNU) Francois Mouton, PwC Norway Johan van Niekerk, Noroff University College
<b>Saudi Arabia</b>	Asfoor Ayman, Jubail Industrial College
<b>Singapore</b>	Arif Perdana, Singapore Institute of Technology Victor Pomponiu, Singapore University of Technology and Design
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<b>Sweden</b>	Simone Fischer-Huebner, Karlstad University Joakim Kävrestad, University of Skövde
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<b>United Kingdom</b>	Panagiotis Andriotis, University of the West of England Debi Ashenden, University of Portsmouth John Blythe, CybSafe Kate Buttriss, University of Portsmouth Nathan Clarke, University of Plymouth Lynne Coventry, Northumbria University Rosanne English, University of Glasgow Timibloudi Enamamu, Sheffield Hallam University Mark Evans, De Montfort University Steven Furnell, University of Nottingham Ram Herkanaidu, University of Plymouth

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Jason Nurse, University of Kent  
Jacques Ophoff, Abertay University  
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Anastasis Petrou, UWTSD London  
Karen Renaud, University of Glasgow  
Ben Sanders, University of Winchester  
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Siamak Shahandashti, University of York  
Nader Sohrabi Safa, University of Wolverhampton  
Paul Stephens, Canterbury Christ Church University  
Geordie Stewart, Risk Intelligence  
Theo Tryfonas, University of Bristol  
Emma Williams, University of Bristol

**United States of  
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Sanchari Das, University of Denver  
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Tyler Moore, School of Cyber Studies, University of Tulsa  
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Terence Sadler, Regis University  
Angela Scipio, Post University  
Lance Spitzner, SANS Technology Institute  
Jeffrey Stanton, Syracuse University  
James Voorhees, General Dynamics Information Technology  
Merrill Warkentin, Mississippi State University  
Robert Yanus, Pace University

**Officers, history**

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