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**

Contact of Working Group Chair:

Prof Kerry-Lynn Thomson  
Telephone: +27 41 5043408  
E-mail: kerry-lynn.thomson@mandela.ac.za

Home page and mailing address of the group:

[www.ifip11-12.org](http://www.ifip11-12.org)

Kerry-Lynn Thomson  
Professor, School of IT  
Nelson Mandela University  
Port Elizabeth  
South Africa

**Annex a. Membership**

**Officers, current**

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

Co vice-chairs:  
Prof Adele Da Veiga (University of South Africa, South Africa)  
1st three-year term, September 2019 – August 2022.
Dr Paul Stephens (Canterbury Christ Church University, UK)
1st three-year term, September 2019 – August 2022.

Secretary:
Mr Malcolm Pattinson (University of Adelaide, Australia)
2nd three-year term, September 2019 – August 2022.

Membership list, as of August 2020

Australia

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

Austria

Stefan Bauer, Vienna University of Economics and Business
Ulrike Hugl, University of Innsbruck

Canada

Bill Bonner, University of Regina

Denmark

Weizhi Meng, Technical University Denmark

Finland

Bilal Naqvi, Lappeenranta University of Technology

Germany

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

Greece

Sokratis Katsikas, University of Piraeus
Costas Lambrinoudakis, University of Piraeus

Ireland

Lena Connolly, NUI Galway/UC Berkley

India

Mahak Sachdeva, YMCA University of Science and Technology (Associate Member)

Italy

Victor Pomponiu, Universita degli Studi di Torino

Luxembourg

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

United States of America
Sanchari Das, Indiana University/American Express
Dorothy Denning, Naval Postgraduate School
Ron Dodge, United States Military Academy (West Point)
Wu He, Old Dominion University
Murray Jennex, San Diego State University
Dong Seong Kim, Duke University
Terence Sadler, Regis University
Lance Spitzner, SANS Technology Institute
Jeffrey Stanton, Syracuse University
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