

| | |
|---|--|
|  | 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: 1 March 2014

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 (last reconfirmed¹: 05-2010)

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:

Last Update: July 2018

- 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 (last revised² 05-2010)

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 (last revised²: 05-2010)

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. Nathan Clarke
Telephone: +44 1752 586218
E-mail: nclarke@plymouth.ac.uk

Home page and mailing address of the group:

www.ifip11-12.org

Prof. Nathan Clarke
Centre for Security, Communications and Network Research
Plymouth University
Plymouth
United Kingdom

Annex a. Membership

- **Officers, current**

Chair:

Prof. Nathan Clarke (Plymouth University, UK).
2nd term, August 2016 - July 2019

Vice-chairs:

Dr Kerry-Lynn Thomson (Nelson Mandela Metropolitan University, South Africa).
1st term, August 2016 - July 2019.

Secretary:

Mr Malcolm Pattinson (University of Adelaide, Australia)

Last Update: July 2018

1st term, August 2016 - July 2019

• **Membership list, as of July 2018**

- Australia** Paul Haskell-Dowland, Edith Cowan University
Jeffrey Foster, Western Sydney University
Kim-Kwang Raymond Choo, University of South Australia
William Hutchinson, Edith Cowan University
Kathryn Parsons, Defence Science and Technology Organisation
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
- 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, Technical University of Darmstadt
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
- Malaysia** Hamed Taherdoost, Hamata Business Solutions
- Netherlands** Jurgen Jansen, NHL Stenden University of Applied Sciences
- Saudi Arabia** Asfoor Ayman, Jubail Industrial College
- Singapore** Arif Perdana, Singapore Institute of Technology

South Africa Adele Da Veiga, University of South Africa
Elmarie Kritzinger, University of South Africa
Marianne Looock, University of South Africa
Francois Mouton, Council for Scientific and Industrial Research
Johan van Niekerk, Nelson Mandela Metropolitan University
Nader Sohrabi Safa, Nelson Mandela Metropolitan University
Elmé Smith, University of South Africa
Kerry-Lynn Thomson, Nelson Mandela Metropolitan University
Maureen van den Bergh, University of Johannesburg
Rossouw Von Solms, Nelson Mandela Metropolitan University
Evangelos Frangopoulos, University of South Africa

Sweden Simone Fischer-Huebner Karlstad University

United Kingdom 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
Shujun Li, University of Surrey
Andrew Jones, University of Hertfordshire
Jason Nurse, Oxford University
Anastasis Petrou, University of East London
Karen Renaud, University of Glasgow
Ben Sanders, University of Winchester
Neetash Saxena, Bournemouth University
Paul Stephens, Canterbury Christ Church University
Geordie Stewart, Risk Intelligence
Theo Tryfonas, University of Bristol
Emma Williams, University of Bristol

United States of America Dorothy Denning, Naval Postgraduate School
Ron Dodge, Unites 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