



International Federation for Information Processing

TC-11
Security and Privacy Protection in Information Processing Systems

Factsheet

WG 11.2

Pervasive Systems Security

Version: 16 May 2023

Website : <http://wg112.ifiptc11.org/>

Introduction

Established in 1985 as the working group on Office Automation, known until 2009 as the working group on Small Systems Security, we have [refocused](#) ourselves as the working group on Pervasive Systems Security.

Est. 1985, revised 1992, 1995, 2009

Pervasive systems shall be defined to be large-scale systems that are comprised of nodes ranging from RFID tags, through embedded systems, to personal mobile devices, interconnected by a mixture of short-range wireless and wide area wired networks. The typical characteristics of a pervasive system are: resource constrained nodes, often physically unreachable or without user interface, whose interconnections often span a large number of administrative domains with conflicting interests. Security of such systems is therefore an emergent property.

Aims and scope *(last reconfirmed¹: 08-2009)*

To investigate methods and issues, in the area of information security related to pervasive systems, and to advance knowledge and awareness of the subject through publications, conferences and other means, the aim is to address pervasive systems security from both a functional, technical, and societal perspective.

The scope of the working group shall be to:

- Promote the design of the new information security techniques and methods in pervasive systems.
- Investigate and report on the information security aspects of information technology products and information services for pervasive systems.
- Design guidelines and promote methodologies for the implementation of information security in pervasive systems.
- Investigate intelligent token and smart-object applications in information security with the aim of making the user less dependent on a single fixed environment.
- To foster public debate on the security and privacy issues that emerge when pervasive systems are deployed on a large scale.

1: Dates of set-up and/or reconfirmation: 08-2009

2: Date of last revision: 08-2009

Products, services and activities (last revised²: 08-2009)

Organisation of the WISTP Conference.

Membership rules (last revised²: 08-2009)

Membership is free of charge. All members of the scientific community actively involved in research into the security and privacy issues surrounding pervasive systems are eligible for membership. Potential members can express interest in becoming a member of WG 11.2 by sending an email to the secretary of the working group. Members are expected to contribute actively to the field. Contributing means publishing papers in the field, or visiting workshops or conferences in the field.

Contact details

Annex a. Membership

- **Officers, current**

Chair:

Konstantinos Markantonakis, ISG-Smart Card and IoT Security Centre, Royal Holloway Univ. of London, UK

1st 3-year term: June 2022 - June 2025

Vice-chair:

Samia Bouzefrane, Cedric Lab, CNAM, France

1st 3-year term: June 2022 - June 2025

Secretary:

Damien Sauveron, XLIM Lab, University of Limoges, France.

1st 3-year term: June 2022 - June 2025

- **Membership list, as of May 2022**

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1: Dates of set-up and/or reconfirmation: 08-2009

2: Date of last revision: 08-2009

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- **Officers, history**

Chair:

- Damien Sauveron, (2nd 3-year term: July 2018 - July 2021) XLIM, University of Limoges, France
- Ioannis Krontiris, (1st 3-year term, Nov 2012 - June 2014) Goethe University Frankfurt, Germany
- Dr. Jaap-Henk Hoepman, (2nd 3-year term, Nov 2009 - Nov 2012) TNO / Radboud University Nijmegen The Netherlands.
- Jan Verschuren, (2nd 3-year term, May 2004 - Nov 2006) The Netherlands.

Vice chair:

- Konstantinos Markantonakis, (2nd 3-year term: July 2018 - July 2021) ISG-SCC, Royal Holloway University of London, UK

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2: Date of last revision: 08-2009

- Damien Sauveron, (2nd 3-year term, Dec 2010 - Dec 2013) XLIM, University of Limoges, France
- Dr. Sjouke Mauw, (1st 3-year term, Nov 2006 - Nov 2009) University of Luxembourg, Luxembourg.

Secretary:

- Raja Naeem Akram, (2nd 3-year term: July 2018 - July 2021) ISG, Royal Holloway University of London, UK
- Damien Sauveron, (1st 3-year term, Dec 2013 - June 2014) XLIM, University of Limoges, France
- Dr. Flavio Garcia, (1st 3-year term, Nov 2009 - Nov 2012) Radboud University Nijmegen The Netherlands
- Erik Poll, (2nd 3-year term, Nov 2006 - Nov 2009) The Netherlands
- Erik de Vink, (1st 3-year term, May 2004 - Nov 2006) The Netherlands

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