



**1st INTERNATIONAL WORKSHOP ON
THE SECURITY OF THE INTERNET OF THINGS**

WELCOME!

- **Our initial idea:**

“[...] it is necessary to enhance the vision of the Internet of Things with strong security foundations, so as to give birth to a world-changing paradigm.”

- **Our (core) team:**
 - General chairs:
 - Rodrigo Roman, University of Malaga (Spain)
 - Jim Clarke, Waterford Institute of Technology (Ireland)
 - Program chairs:
 - Jianying Zhou, I2R (Singapore)
 - Stefanos Gritzalis, University of the Aegean (Greece)

- **Our PC team:**

- They worked very hard to make this a successful workshop

- Alessandro Acquisti (Carnegie Mellon University, USA) Hani Alzaid (Queensland University of Technology, Australia) Levente Buttyan (BME, Hungary) Barbara Daskala (ENISA, Greece) John Dominique (Knowledge Media Institute, The Open University, UK) Alex Gluhak (University of Surrey, UK) Antonio Jara (University of Murcia, Spain) Marc Joye (Technicolor, France) Jin Kwak (Soonchunhyang University, Korea) Andre Koenig (Technische Universität Darmstadt, Germany) Manik Lal Das (Dhirubhai Ambani Inst. for Information and Communication Tech., India) Costas Lambrinouidakis (University of Piraeus, Greece) Albert Levi (Sabanci University, Turkey) Javier Lopez (University of Malaga, Spain) Christoph P. Mayer (University of Karlsruhe, Germany) Yi Mu (University of Wollongong, Australia) Barry Mulcahy (Waterford Institute of Technology, Ireland) Aljosa Pasic (Atos Origin, Spain) Michel Riguidel (Institut Télécom/Télécom ParisTech, France) Panagiotis Rizomiliotis (University of the Aegean, Greece) Matt Robshaw (Orange Labs, France) Gokay Saldamli (Bogazici University, Turkey) Stefaan Seys (K.U.Leuven, Belgium) Nicolas Sklavos (Tech. Educational Institute of Patras, Greece) Neeraj Suri (Technische Universitaet Darmstadt, Germany) Rolf H. Weber (University of Zurich, Switzerland) Duncan Wong (City University of Hong Kong, China) Yanjiang Yang (Institute for Infocomm Research, Singapore) Yunlei Zhao (Fudan University, China) Wen Tao Zhu (CAS, China).

(Even if small, their names deserve to be here)

- **The results:**
 - **17** submissions
 - Authors representing more than 15 countries around the world
 - **9** accepted papers
 - **1** invited talk

- **The results (2):**

- Areas with **more than 1** submission:

- New security problems in the context of the IoT, Technologies related to the IoT, Privacy risks and data management problems, New cryptographic primitives for constrained "things"

- Areas with **just 1** submission

- Connecting heterogeneous ecosystems and technologies, Legal Challenges and Governance Issues, Web services security and other application-layer issues

- Areas with **no submissions**

- Identifying, authenticating, and authorizing entities, Development of trust frameworks for secure collaboration, Resilience to external and internal attacks, Context-Aware Security, Providing protection to an IP-connected IoT.

SecIoT'10 – Agenda

- *09:30 : Welcome address, introduction to SecIoT 2010 by the General Co-chairs.*
- *09:40 - 10:10 Invited Talk (30 min / invited talk).*
 - **Looking through the crystal ball - Identifying future security, privacy and social risks in a prospective IoT scenario.** Barbara Daskala, ENISA.
- *10:10 - 10:40 Session A. 1 paper (30 min / paper).*
 - **Assessing the Security of Internet Connected Critical Infrastructures (The CoMiFin Project Approach).** Hamza Ghani, Abdelmajid Khelil, Neeraj Suri, György Csertán, László Gönczy, Gábor Urbanics and James Clarke.
- *10:40 - 11:00 Coffee break*
- *11:00 - 12:30 Session B. 3 papers (30 min / paper).*
 - **Accountability in the Internet of Things.** Rolf H. Weber.
 - **Privacy-Preserving Management of Personal Data For Assisted-Living Applications.** Gina Kounga, Marco Casassa Mont and Pete Bramhall.
 - **Wireless Sensor Networks and the Internet of Things: Do We Need a Complete Integration?.** Cristina Alcaraz, Pablo Najera, Javier Lopez and Rodrigo Roman.
- *12:30 - 14:00 Lunch*

SecIoT'10 – Agenda

- *14:00 - 15:30 Session C. 3 papers (30 min / paper).*
 - **An holistic approach to RFID security and privacy.** Evangelos Rekleitis, Panagiotis Rizomiliotis and Stefanos Gritzalis
 - **Towards a Model for Security and Privacy in the Internet of Things.** Sasa Radomirovic.
 - **An epistemology of information technology models for pervasive computing.** Michel Riguidel.
- *15:30 - 16:00 Coffee break.*
- *16:00 - 17:00 Session D. 2 papers (30 min / paper)*
 - **Optimization of Public Key Cryptography (RSA and ECC) for 8-bits Devices based on 6LoWPAN.** Jesus Ayuso, Leandro Marin, Antonio J. Jara and Antonio F. Gómez Skarmeta.
 - **Efficient and Side-Channel Resistant RSA Implementation for 8-bit AVR Microcontrollers.** Zhe Liu, Johann Groszschaedl and Ilya Kizhvatov.
- *17:00 - 17:30 Discussions, End of the conference.*