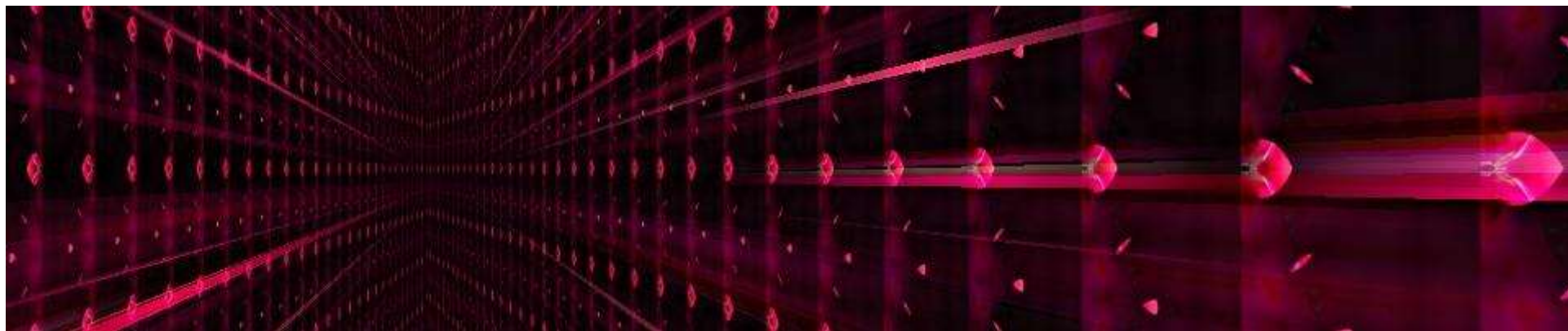


International Workshop on Secure Internet of Things (SIoT 2014)

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Workshop Description and Scope

The International Workshop on Secure Internet of Things 2014 (SIoT 2014) will be held in conjunction with the [European Symposium on Research in Computer Security \(ESORICS 2014\)](#) in Wroclaw, Poland, at the Institute of Mathematics and Computer Science Wroclaw University of Technology, on **September 10th 2014**.

SIoT 2014 is a community where interested stakeholders, from academia and industry, can present their original work on providing a secure environment for connecting systems in an Internet-specific structure. The wide spread of mobile and embedded devices, able to connect to a network and share information, requires a careful look at the security risks taken by end users. In this context, the workshop will focus on contributions related to the security of mesh and machine-to-machine networks, secure software stacks running on ubiquitous network nodes, and algorithms used to provide secure end-to-end communication between nodes.

Call for Papers

You are welcome to send the CFP (available in [PDF format](#) and [TXT format](#)) to your friends and colleagues working in the field.


ESORICS 2014

SYSTEMS.CS.PUB.RO

Workshop Topics

The focus of this workshop is to create a secure environment for connecting systems in an Internet-specific structure. These may include, but are not limited to, the following topics:

- Threat Models in Internet of Things
- Attack Strategies for Internet of Things
- Security Architectures
- Secure Mobile Applications
- Secure Mobility Management
- Intrusion and Malware Detection
- Security in Wireless Sensor Networks
- Reliable Interactions with Network Services
- System and Data Integrity
- Scalability and Robustness for Internet of Things
- Identity Management in Internet of Things
- Trustworthiness in Internet of Things
- Secure Operating Systems
- Privacy in Internet of Things
- Adaptive Security in Internet of Things

Program

09:30 - 09:45 Welcome Message

09:45 - 11:00 Keynote: Privacy in the Smart Grid, [Alfredo Rial](#), IBM Research Zürich

11:00 - 11:30 Coffee Break

11:30 - 13:00 Security for low power devices (Session 1)

- Access Control for Apps Running on Constrained Devices in the Internet of Things
Andrei Mituca, Amir H. Moin and Christian Prehofer
- Federated Identity and Access Management for the Internet of Things
Paul Fremantle, Benjamin Aziz, Jacek Kopecky and Philip Scott
- Lightweight Display Virtualization For Mobile Devices
Mihai Carabas, Lucian Mogosanu, Razvan Deaconescu, Laura Gheorghe and Nicolae Tapus

13:00 - 14:30 Lunch

14:30 - 15:45 Keynote: Key Evolution Protocols for Internet of Things, [Marek Klonowski](#), Wroclaw University of Technology

15:45 - 16:15 Coffee Break

16:15 - 17:45 Security Architectures for IoT (Session 2)

- A Novel Key Generating Architecture for Wireless Low-resource Devices
Christian T. Zenger, Markus-Julian Chur, Gerhard Wunder and Christof Paar
- Threat-based Security Analyses for the Internet of Things
Ahmad Atamli and Andrew Martin
- UNCHAIN - Ubiquitous Wireless Network Communication Architecture for Ambient Intelligence and Health scenarios
Daniel Rosner, Laura Gheorghe, Razvan Tataroiu and Razvan Tilimpea

17:45 - 18:00 Closing Remarks

18:20 - 22:00 Dinner

Organizing Committee

Workshop Co-Chairs

Gabriel GHINIȚĂ, Department of Computer Science, University of Massachusetts Boston, USA

Răzvan RUGHINIȘ, Department of Computer Science, University POLITEHNICA of Bucharest, Romania

Ahmad-Reza SADEGHI, Technische Universitat Darmstadt, Germany

Publicity Chair

Mihai BUCICOIU, Technische Universitat Darmstadt, Germany

Web Chair

Laura GHEORGHE, Department of Computer Science, University POLITEHNICA of Bucharest, Romania

Program Committee Members

Frederik ARMKNECHT, University of Mannheim, Germany

Lejla BATINA, Radboud University Nijmegen, The Netherlands

Ion BICĂ, Military Technical Academy, Bucharest, Romania

Omar CHOUDARY, University of Cambridge, United Kingdom

Mauro CONTI, University of Padua, Italy

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Bogdan GROZA, Politehnica University of Timisoara, Romania
Stefano GUARINO, "Roma Tre" University, Italy
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Hoon Wei LIM, National University of Singapore, Singapore
Mike LUDWIG, Dresden Elektronik Ingenieurtechnik GmbH, Germany
George MILESCU, Intel Corporation, Romania
Andrew MARTIN, University of Oxford, United Kingdom
Alexis OLIVEREAU, Commissariat à l'énergie atomique et aux énergies alternatives, France
Corneliu POPEEA, Technische Universität München, Germany
Ahmad SADEGHI, Technische Universität, Darmstadt, Germany
Nitesh SAXENA, University of Alabama at Birmingham, United States
Hien TRUONG, University of Helsinki, Finland
Nicolae ȚĂPUȘ, University POLITEHNICA of Bucharest, Romania
Xinshu DONG, Advanced Digital Sciences Center, Singapore

Important Dates

- **Submission Deadline:** ~~May 30th~~, June 26th, 2014(Extended)
- Author Notification: July 26th, 2014
- Author Registration: August 14th, 2014
- Camera Ready: August 14th, 2014
- SIoT Workshop and ESORICS Conference: September 7th-11th, 2014
- Publishing version: October 19th, 2014

Submission Guidelines

Submitted papers must adhere to the [LNCS template](#) and should be at most 12 pages in this format, excluding the bibliography and well-marked appendices. The original settings of textwidth and textheight should be preserved. Submitted papers must be no longer than 16 pages.

Note that authors of accepted papers must guarantee that one of the authors will register and present the paper at the conference.

Rejected submissions will be permanently treated as confidential.

Submissions must be written in English and must be in pdf format. Papers must be submitted via the [EasyChair](#) conference system.

Publishing Guidelines

Papers submitted for publishing must adhere to the [IEEE template](#) and should be at most 9 pages in this format, including the bibliography and well-marked appendices. The original settings of textwidth and textheight should be preserved.

Submissions must be written in English and must be in pdf format. Papers must be submitted via the [EasyChair](#) conference system.

Registration

SIoT 2014 will be held in conjunction with ESORICS on the 10th of September. Please register via the [ESORICS Registration Page](#). Registration fees are as follows:

- Early Workshop registration (until 20th August 2014)

SIoT Workshop 2014: Standard Registration: 250 EUR

SIoT Workshop 2014: Student Registration: 200 EUR

- Normal Workshop registration (after 20th August 2014)

SIoT Workshop 2014: Standard Registration: 300 EUR

SIoT Workshop 2014: Student Registration: 250 EUR

Venue

SIoT Workshop is co-located with ESORICS conference. Please follow this [link](#) to see venue details. [Here](#) you can find a venue location map.

Contact

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