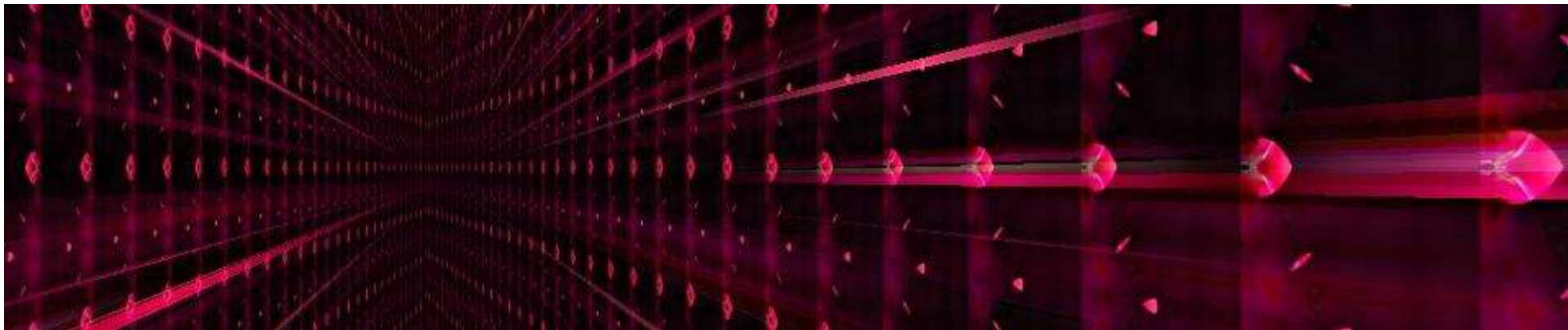


International Workshop on Secure Internet of Things (SIoT 2016)

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Workshop Description and Scope

The International Workshop on Secure Internet of Things 2016 (SIoT 2016) will be held in conjunction with the [European Symposium on Research in Computer Security \(ESORICS 2016\)](#) in Heraklion, Crete - Greece, at the Institute of Computer Science of the Foundation for Research and Technology - Hellas, on **27th September 2016**.

SIoT 2016 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 [TXT format](#)) to your friends and colleagues working in the field.



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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 - 27th September

09:30 - 10:00 Welcome Message

09:30 - 13:00 Session 1

- **10:00 - 11:15 Keynote SIoT: Connected Car Security: A Layered Approach**
Dr. Tieyan Li and Dr. Guilin Wang, Huawei
- **11:15 - 11:30** Coffee Break
- Addressing Data-Centric Security Requirements for IoT-Based Systems
Juan D. Parra Rodriguez, Daniel Schreckling and Joachim Posegga
- Context-Aware Security Framework for Android
Constantin-Alexandru Tudorica and Laura Gheorghe
- The Impact of Network Layer Attacks in Wireless Sensor Networks
Christiana Ioannou and Vasos Vassiliou

13:00 - 14:30 Lunch Break

14:30 - 16:00 Session 2

- Access Control for the Internet of Things
Nikos Fotiou, Theodore Kotsonis, Giannis Marias and George Polyzos

- Introducing Secure Provenance in IoT: Requirements and Challenges
Sabah Suhail, Zuhaib Uddin Ahmad, Faheem Zafar, Abid Khan and Choong Seon Hong
- A Survey on Secure Communication Protocols for IoT Systems
Dan Dragomir, Laura Gheorghe, Sergiu Costea and Alexandru Radovici

16:00 - 16:15 Closing Remarks

Organizing Committee

Workshop Co-Chairs

Costas PATSAKIS, University of Piraeus, Greece

Pedro PERIS-LOPEZ, Computer Security Lab (COSEC), Computer Science and Engineering Department, Carlos III University of Madrid, Spain

Katerina MITROKOTSA Department of Computer Science and Engineering, Chalmers University of Technology, Sweden

Publicity Chair

Guillermo SUAREZ DE TANGIL, Information Security Group and Systems Security Lab, Royal Holloway University of London, UK

Web Chair

Mihai CHIROIU, Department of Computer Science, University POLITEHNICA of Bucharest, Romania

Program Committee Members

Lejla BATINA, Radboud University, The Netherlands

Mauro CONTI, University of Padua, Italy

Răzvan DEACONESCU, University POLITEHNICA of Bucharest, Romania

William ENCK, North Carolina State University, US

Gabriel GHINIȚĂ, University of Massachusetts Boston, USA

Bogdan GROZA, Politehnica University of Timisoara, Romania

Stefan KATZENBEISSER, Technische Universität Darmstadt, Germany

Marek KLONOWSKI, Wroclaw University of Technology, Poland

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Andrew MARTIN, University of Oxford, United Kingdom
Markus MIETTINEN, Technische Universität Darmstadt, Germany
Alexis OLIVEREAU, Research Engineer at the Communicating Systems Lab of CEA, France
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Nitesh SAXENA, University of Alabama at Birmingham, United States
Agusti SOLANAS, Smart Health Research Group at Rovira i Virgili University, Spain
Juan E. TAPIADOR, Universidad Carlos III de Madrid, Spain
Carmela TRONCOSO, IMDEA Software Institute, Spain
Ihor VASYLTSOV, Samsung Electronics,
Jonathan VORIS, New York Institute of Technology, US

Important Dates

- **Submission Deadline:** ~~June 25th~~, July 8th, 2016
- Author Notification: ~~July 29th~~, August 14th, 2016
- Author Registration: ~~August 21th~~, September 1st, 2016
- Camera Ready: ~~August 21th~~, September 1st, 2016
- Publishing version: September 6th, 2016
- SIoT Workshop: September 27th, 2016

Submission Guidelines

Papers submitted for publishing must adhere to the [CPS template](#) and should be at most 10 pages in this format, including the bibliography and well-marked appendices. The original settings of textwidth and textheight should be preserved. Accepted papers will be published by Conference Publishing Services (CPS).

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

Registration

TBA

Venue

SIoT 2016 will be held in conjunction with ESORICS 2016 at the Hersonissos, Crete, Greece. Please follow this [link](#) to see venue details.

Contact

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