

International Workshop on Secure Internet of Things 2012 (SIoT 2012)

<https://systems.cs.pub.ro/siot2012>

September 19th – 21st 2012
University POLITEHNICA of Bucharest, Romania

In conjunction with the 4th International Conference on
Intelligent Networking and Collaborative Systems (INCoS 2012)
<http://voyager.ce.fit.ac.jp/~incos2012/>

Workshop Description and Scope

The International Workshop on Secure Internet of Things 2012 (SIoT 2012) will be held in conjunction with the 4th International Conference on Intelligent Networking and Collaborative Systems (INCoS 2012), in Bucharest, Romania. The conference and the workshop will take place in the period September 19th - 21st 2012.

SIoT 2012 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.

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 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
- Secure Operating Systems
- Privacy in Internet of Things

Workshop Co-Chairs

Răzvan Rughiniș

Department of Computer Science, University POLITEHNICA of Bucharest, Romania
razvan.rughinis at cs.pub.ro

Gabriel Ghiniță

Department of Computer Science, University of Massachusetts Boston, USA
gabriel.ghinita at umb.edu

Important Dates

- Submission Deadline: April 25th, 2012
- Notification of acceptance: June 5th, 2012
- Author Registration: July 6th, 2012
- Final Manuscript: July 6th, 2012
- Workshop and INCoS Conference: September 19th-21st, 2012

Submission Guidelines

Authors are invited to submit research and application papers following the IEEE Computer Society Proceedings Manuscripts style: two columns, single-spaced, including figures and references, using 10-sized fonts, and page numbering throughout the document. You can download the IEEE Computer Society Proceedings Author Guidelines at the IEEE formatting web page:

<http://www.ieee.org/web/publications/pubservices/confpub/AuthorTools/conferenceTemplates.html>

We request the submission of academic workshop papers (6 pages) representing original, previously unpublished work. Submitted papers will be carefully evaluated based on technical soundness, originality, significance, and clarity of exposition. Papers should be prepared as .pdf files and submitted electronically to the SloT 2012 online submission system (please select the workshop title on the respective online submission page). Submission of a paper implies that, should the paper be accepted, at least one of the authors must register and present the paper at the workshop.

- Submission: <http://voyager.ce.fit.ac.jp/~eidwt2012/submission.html>
- Registration: <http://voyager.ce.fit.ac.jp/~eidwt2012/registration.html>

Accepted papers will be given guidelines in preparing and submitting the final manuscript(s) together with the notification of acceptance. Proceedings of the Workshops will be published by IEEE Computer Society Press.