

Table of Contents

Cyber-Physical Systems

Detecting and Preventing Beacon Replay Attacks in Receiver-Initiated MAC Protocols for Energy Efficient WSNs	1
<i>Alessio Di Mauro, Xenofon Fafoutis, Sebastian Mödersheim, and Nicola Dragoni</i>	
Security Games for Cyber-Physical Systems	17
<i>Roberto Vigo, Alessandro Bruni, and Ender Yüksel</i>	
Prevent Session Hijacking by Binding the Session to the Cryptographic Network Credentials	33
<i>Willem Burgers, Roel Verdult, and Marko van Eekelen</i>	

Security Policies

Inferring Required Permissions for Statically Composed Programs	51
<i>Tero Hasu, Anya Helene Bagge, and Magne Haveraaen</i>	
SAFEScript: JavaScript Transformation for Policy Enforcement	67
<i>Mike Ter Louw, Phu H. Phung, Rohini Krishnamurti, and Venkat N. Venkatakrishnan</i>	

Information Flow

A Logic for Information Flow Analysis of Distributed Programs	84
<i>Musard Balliu</i>	
Dynamics and Secure Information Flow for a Higher-Order Pi-Calculus	100
<i>Martin Pettai and Peeter Laud</i>	
Lazy Programs Leak Secrets	116
<i>Pablo Buiras and Alejandro Russo</i>	

Security Experiences

High-Performance Qualified Digital Signatures for X-Road	123
<i>Arne Anspер, Ahto Buldas, Margus Freudenthal, and Jan Willemson</i>	

Identification and Evaluation of Security Activities in Agile Projects	139
<i>Tigist Ayalew, Tigist Kidane, and Bengt Carlsson</i>	

PeerShare: A System Secure Distribution of Sensitive Data among Social Contacts	154
<i>Marcin Nagy, N. Asokan, and Jörg Ott</i>	

Cyber-Physical Systems

Resilience of Process Control Systems to Cyber-Physical Attacks	166
<i>Marina Krotofil and Alvaro A. Cárdenas</i>	

Femtocell Security in Theory and Practice	183
<i>Fabian van den Broek and Ronny Wichers Schreur</i>	

Security Analysis of Building Automation Networks: Threat Model and Viable Mitigation Techniques	199
<i>Alessio Antonini, Alessandro Barenghi, and Gerardo Pelosi</i>	

Web Security

Controlling Data Flow with a Policy-Based Programming Language for the Web	215
<i>Thierry Sans, Ilíano Cervesato, and Soha Hussein</i>	

A Survey on Control-Flow Integrity Means in Web Application Frameworks	231
<i>Bastian Braun, Christian v. Pollak, and Joachim Posegga</i>	

Security Policies

Incremental Hyperproperty Model Checking via Games	247
<i>Dimitar Milushev and Dave Clarke</i>	

Graph k-Anonymity through k-Means and as Modular Decomposition	263
<i>Clara Stokes</i>	

Network Security

Domain-Based Storage Protection (DBSP) in Public Infrastructure Clouds	279
<i>Nicolae Paladi, Christian Gehrmann, and Fredric Morenius</i>	

An Adaptive Mitigation Framework for Handling Suspicious Network Flows via MPLS Policies	297
<i>Nabil Hachem, Joaquin Garcia-Alfaro, and Hervé Debar</i>	
Keyless Signatures' Infrastructure: How to Build Global Distributed Hash-Trees	313
<i>Ahto Buldas, Andres Kroonmaa, and Risto Laanoja</i>	
Author Index	321