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Formal Analysis of Graphical Security Models
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High Performance with Prescriptive Optimization and Debugging

Improving Loop Dependence Analysis

Information Flow for Timed Automata

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Model checking exact cost for attack scenarios

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Publication: Research › Ph.D. thesis – Annual report year: 2016

Formal modelling and analysis of socio-technical systems
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016

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Preface: Special section on Graph Inspection and Traversal Engineering (GRAPHITE 2014)

Quantitative Verification and Synthesis of Attack-Defence Scenarios

Security protocol specification and verification with AnBx

Security Protocols: Specification, Verification, Implementation, and Composition

Statistical Model Checking for Product Lines

The attack navigator

Towards Static Analysis of Policy-Based Self-adaptive Computing Systems

Towards Unifying OpenMP Under the Task-Parallel Paradigm Implementation and Performance of the taskloop Construct
Transforming Graphical System Models to Graphical Attack Models

Understanding How Components of Organisations Contribute to Attacks

A calculus for attribute-based communication

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A Fixpoint-Based Calculus for Graph-Shaped Computational Fields

Alice and Bob: Reconciling Formal Models and Implementation

A Probabilistic Analysis Framework for Malicious Insider Threats

A SAT-Based Analysis of a Calculus for Wireless Sensor Networks

A Scalable Prescriptive Parallel Debugging Model

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On the relationship between LTL normal forms and Büchi automata
Publication: Research - peer-review › Book chapter – Annual report year: 2013
Predictive access control for distributed computation
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Reachability-based impact as a measure for insiderness
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Activities:

CryptoForma Workshop
Almousa, O. (Speaker) 13 Jul 2015
Activity: Talks and presentations › Conference presentations

Adaptivity Framework: libpappadapt
Bonnichsen, L. F. (Speaker) 22 Jan 2014
Activity: Talks and presentations › Conference presentations

Prizes:

Otto Mønsteds Fund: Travel grant
Hugo-Andrés López-Acosta (Recipient), 25 Oct 2015
Prize: Prizes, scholarships, distinctions