



VIENNA SCIENCE
AND TECHNOLOGY FUND

ICT Day 2018: Presentation of projects in the ICT Call 2012

Thursday, 27 September 2018 at Institut für Höhere Studien (IHS), Josefstädterstraße 39, Hörsaal E02, 1080 Vienna

9:00 – 9:15	WWTF Welcome address and introduction	
9:15 – 9:45	Uwe Zdun Supporting Containment Checking for UML Behaviour Diagrams (CONTAINER)	Feedback by: Antonio Acin
9:45 – 10:15	Jürgen Waser Scenario Pool: Visual analytics for action planning in the presence of uncertainty	Feedback by: Daniel Keim
10:15 – 10:45	Florian Zuleger Automated Program Analysis for Bounds on Resource Consumption	Feedback by: Anne-Marie Kermarrec
10:45 – 11:00	COFFEE BREAK	
11:00 – 11:30	Reinhard Pichler SEE: SPARQL Evaluation and Extensions	Feedback by: Anne-Marie Kermarrec
11:30 – 12:00	Stefan Fenz Formalizing Information Security Risk and Compliance Management	Feedback by: Daniel Keim
12:00 – 12:30	Philipp Walter PhoCluDi - Photonic Cluster States From Diamond	Feedback by: Antonio Acin
12:30 – 13:45	LUNCH BREAK	
13:45 – 14:15	Christoph Becker Benchmark DP	Feedback by: Daniel Keim
14:15 – 14:45	Markus Aspelmeyer Optomechanical systems as building blocks for optical and quantum information processing	Feedback by: Antonio Acin
14:45 – 15:15	Gerald Matz The Information Bottleneck Principle in Multiterminal Communication and Inference	Feedback by: Antonio Acin
15:15 – 15:30	END OF ICT DAY 2018	

Brief overview on the projects from the ICT Call 2012

Uwe Zdun (University of Vienna, ICT12-001)

“Supporting Containment Checking for UML Behaviour Diagrams (CONTAINER)”

Keywords: Behavior Models, Software Modelling, Model Containment Checking, Software Design, Software Architecture, UML, Model-based ConsistencyChecking

Jürgen Waser (VRVis Zentrum für Virtual Reality und Visualisierung Forschungs-GmbH, ICT12-009)

“Scenario Pool: Visual analytics for action planning in the presence of uncertainty“

Keywords: visual analytics, decision support, visual action planning, ensemble simulationsteering, multi-dimensional uncertainty, spatio-temporal visual analysis, knowledge-assisted visualization

Reinhard Pichler (Vienna University of Technology, ICT12-015)

“SEE: SPARQL Evaluation and Extensions”

Keywords: Query Evaluation, Query Optimization, Web Data

Stefan Fenz (Vienna University of Technology, ICT12-019)

“Formalizing Information Security Risk and Compliance Management”

Keywords: semantic technologies, risk and compliance management, information security

Philipp Walther (University of Vienna, ICT12-041)

“PhoCluDi - Photonic Cluster States From Diamond”

Keywords: quantum information, quantum computing, one-way quantum computing, NVcenters, solid-state photon sources

Christoph Becker (Vienna University of Technology, ICT12-046)

“Benchmark DP”

Keywords: digital preservation, information systems, capability maturity model, softwareengineering, systems engineering, process improvement

Markus Aspelmeyer (Vienna Center for Quantum Science and Technology, ICT12-049)

“Optomechanical systems as building blocks for optical and quantum information processing”

Keywords: Optical communication, Optical information processing, Quantum communication, Quantum information processing, Silicon photonics, Optomechanics, Quantum Optics, Micromechanics, Nanomechanics

Gerald Matz (Vienna University of Technology, ICT12-054)

“The Information Bottleneck Principle in Multiterminal Communication and Inference”

Keywords: information bottleneck, sensor networks, cooperative communication, wirelessnetworks, source coding, data compression

Florian Zuleger (Vienna University of Technology, ICT12-059)

“Automated Program Analysis for Bounds on Resource Consumption”

Keywords: Resource Bounds, Quantitative Analysis, Computer-aided Verification, Abstract Interpretation, Static Analysis

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