

# Klaus v. Gleissenthall

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## Education

Jun 2012 - Sep 2016	Ph.D. in Computer Science	Technische Universität München (TUM)
Oct 2009 - Jun 2012	M.Sc. in Computer Science	TUM
Sep 2009 - Feb 2010	Exchange semester	University of Paris 7
Oct 2006 - Oct 2009	B.Sc. in Computer Science	TUM

## Work Experience and Academic Visits

March 2016-	Post-doc University of California, San Diego
Nov 2015 - Feb 2016	Contractor Microsoft Research, Cambridge
Jan 2014 - Nov 2015	Visitor Microsoft Research, Cambridge
Nov 2013 - Jan 2014	Internship Microsoft Research, Cambridge
Dec 2010 - Aug 2011	Research Assistant at TUM, Autonomous Systems Group

## Publications

IODINE: Verifying Constant-Time Execution of Hardware.

[Klaus v. Gleissenthall](#), Rami Gökhan Kici, Deian Stefan and Ranjit Jhala. **Usenix Security'19**.

Pretend Synchrony: Synchronous Verification of Asynchronous Distributed Programs.

[Klaus v. Gleissenthall](#), Rami Gökhan Kici, Alexander Bakst, Deian Stefan and Ranjit Jhala. **POPL'19**.

Verifying Distributed Programs via Canonical Sequentialization.

Alexander Bakst\*, [Klaus v. Gleissenthall](#)\*, Rami Gökhan Kici and Ranjit Jhala. **OOPSLA'17**.

(\* Equal contributions.)

Cardinalities and universal quantifiers for verifying parameterized systems.

[Klaus v. Gleissenthall](#), Nikolaj Bjørner and Andrey Rybalchenko. **PLDI'16**.

Symbolic Polytopes for Quantitative Interpolation and Verification.

[Klaus v. Gleissenthall](#), Boris Köpf and Andrey Rybalchenko. **CAV'15**.

An Epistemic Perspective on Consistency of Concurrent Computations.

[Klaus v. Gleissenthall](#), Andrey Rybalchenko. **CONCUR'13**.

Bayesian Logic Networks and Sample Search with Backward Simulation and Constraint Learning.

D. Jain, [Klaus v. Gleissenthall](#), M. Beetz. **KI'2011**.

## Drafts

Type-based information flow safety under transient execution.

Marco Vassena, [Klaus v. Gleissenthall](#), Deian Stefan and Ranjit Jhala. **Draft**.

Sunjay Cauligi, Craig Disselkoen, [Klaus v. Gleissenthall](#), Tamara Rezk, Gilles Barthe, Deian Stefan.

Semantic Foundations for Constant-Time in the Spectre Era. **Draft**.

## Awards and Honours

- 2016 PhD, *summa cum laude*, TUM
- 2012 Microsoft Research Studentship
- 2012 Master *with high distinction*, TUM

## Conference, Invited Seminar and Workshop Talks

- Aug 2019 Usenix Security, Santa Clara
- June 2019 VDS, Marrakesh
- May 2019 Delft University of Technology
- April 2019 IMDEA Software, Madrid
- Jan 2019 POPL, Lisbon
- Dec 2018 Microsoft Research, Cambridge
- Nov 2018 TU Vienna
- Nov 2018 IST Austria, Vienna
- Nov 2017 OOPSLA, Vancouver
- Oct 2017 CNS Review, San Diego
- Jun 2016 PLDI, Santa Barbara
- Nov 2015 NetOS group, University of Cambridge
- Sep 2015 University of California, San Diego
- Sep 2015 RiSE Seminar, IST Austria
- Aug 2015 IMDEA Software Institute
- Aug 2015 Parametrized Verification Workshop, Madrid
- Jul 2015 CAV, San Francisco
- Jul 2015 iPRA, San Francisco
- May 2015 University of Leicester
- May 2014 Alpine verification meeting, Frejus
- Feb 2014 PPS, University of Paris 7
- Feb 2014 LIAFA, University of Paris 7
- Sep 2013 CONCUR, Buenos Aires
- Mar 2012 Research seminar I7, TUM
- Sep 2012 PUMA & RiSE Workshop Goldegg

## Reviewing

- 2019 Reviewer for ACM Symposium on Operating Systems Principles (SOSP).
- 2019 Reviewer for IEEE Computer Security Foundations Symposium (CSF).
- 2019 Reviewer for Static Analysis Symposium (SAS).
- 2019 Reviewer for ICALP (International Colloquium on Automata, Languages and Programming).
- 2018 POPL Artifact Evaluation Committee.
- 2017 Reviewer for IEEE Computer Security Foundations Symposium (CSF).
- 2013 Reviewer for Joint International Conference on Formal Techniques for Distributed Systems (FMOODS/FORTE).
- 2013 Reviewer for International Conference on Computer Aided Verification (CAV).

### **Program Committee and Organizer**

- 2019 Program Committee, Principles of Secure Compilation (PriSC'20).
- 2019 Program Committee, Programming Languages and Analysis for Security (PLAS'19).
- 2019 Co-organizer Verification of Distributed Systems Workshop (VDS) at NETYS 2019.

### **Teaching**

- 2015 Teaching Assistant, Proglog at the University of Cambridge
- 2013 Lecturing, Model checking at TUM
- 2012 Lecturing, Model checking at TUM