
Research Interests

- Systems performance analysis
- Memory management
- Multi-core architecture and programming
- Runtime and execution environments

Education

- Since 2012 **PhD Student**, *University of Salzburg*, Salzburg, Austria.
Department of Computer Sciences
- Supervisor Prof. Christoph Kirsch
- 2010-2012 **Dipl.-Ing. (equiv. M.Sc.)**, *University of Salzburg*, Salzburg, Austria.
Department of Computer Sciences
- Supervisor Prof. Christoph Kirsch
- 2011 **Visiting Student**, *ETH Zurich*, Zurich, Switzerland.
Department of Computer Science
- 2006-2010 **B.Eng.**, *University of Salzburg*, Salzburg, Austria.
Department of Computer Sciences

Experience

Teaching

- Spring 2013, 2014 **Teaching Assistant**, *University of Salzburg*, Salzburg, Austria.
Introduction to Compiler Construction

Vocational

- Since 2012 **Research assistant**, *University of Salzburg*, Salzburg, Austria.
Department of Computer Sciences
- 2003-2011 **Software Developer**, *Austrian Red Cross*, Salzburg, Austria.
Business software and database systems
- 2002 **Internship**, *Wüstenrot AG*, Salzburg, Austria.
Network and system administration

References

- Christoph Kirsch, Professor
University of Salzburg, Department of Computer Sciences, Austria
- Hannes Payer
Google, Inc., Munich

Conference and Journal Referee

2014 FORTE, RTAS
2013 EMSOFT
2012 ICCAD, MEMOCODE
2011 DAC, DATE, ICCAD, RTSS
2010 EMSOFT

Publications

Conference papers

M. Aigner, A. Biere, C.M. Kirsch, A. Niemetz, and M. Preiner. Analysis of portfolio-style parallel SAT solving on current multi-core architectures. In *Proc. Workshop on Pragmatics of SAT (PoS)*, EPiC. EasyChair, July 2013.

M. Aigner and C. M. Kirsch. ACDC: Towards a Universal Mutator for Benchmarking Heap Management Systems. In *Proc. International Symposium on Memory Management, ISMM '13*, pages 75–84, New York, NY, USA, June 2013. ACM.

M. Aigner, A. Haas, C.M. Kirsch, M. Lippautz, A. Sokolova, S. Stroka, and A. Unterweger. Short-term Memory for Self-collecting Mutators. In *Proc. of the International Symposium on Memory Management, ISMM '11*, pages 99–108, New York, NY, USA, June 2011. ACM.

Thesis

Martin Aigner. Short-term Memory for the C Programming Language. Master's thesis, University of Salzburg, 2012.

Others

Martin Aigner, Andreas Haas, Christoph M. Kirsch, and Ana Sokolova. Short-term Memory for Self-collecting Mutators - Revised Version. Technical Report TR 2010–06, University of Salzburg, June 2010.

Martin Aigner, Andreas Haas, Christoph M. Kirsch, Hannes Payer, Andreas Schönegger, and Ana Sokolova. Short-term Memory for Self-collecting Mutators. Technical Report TR 2010–03, University of Salzburg, March 2010.