Martin Aigner

Research Interests

- 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

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

Conference and Journal Referee

2013 EMSOFT

2012 ICCAD, MEMOCODE

2011 DAC, DATE, ICCAD, RTSS

2010 EMSOFT

References

- Christoph Kirsch, Professor
  University of Salzburg, Department of Computer Sciences, Austria

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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. ACM, June 2013.

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.

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