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 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.