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Estimation and Optimization of the Performance of Polyhedral Process Networks

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CURRICULUM VITAE

Sven van Haastregt was born in Rijpwetering, the Netherlands, in 1985. He obtained his gymnasium diploma at Visser 't Hooft Lyceum, in Leiden, the Netherlands, in June 2003. In September 2003, Sven enrolled in the Computer Science track at Leiden University, the Netherlands. He received his BSc degree (with honors) in September 2006, and the MSc degree (with honors) in August 2008. After obtaining the MSc degree, Sven started his PhD research at the Leiden Embedded Research Center (LERC), part of the Leiden Institute of Advanced Computer Science (LIACS), Leiden University. He was involved in the MEDEA SoftSoC project on metamodeling of Hardware-dependent Software (HdS) and conducted research on high-level synthesis and performance estimation and optimization of polyhedral process networks. During his research, Sven (co-)authored various peer-reviewed conference and journal articles. He also contributed to the open-source PNGEN and ESPAM tools, and initiated the PNTTOOLS software. From January 2010 to April 2010, Sven was a guest researcher at Xilinx Research Labs, in San Jose, California, United States of America. Besides his work as a researcher, Sven was involved as a teaching assistant in the Compiler Construction, Operating Systems, and Challenges in Computer Science Seminar courses which are part of the Computer Science bachelor program of Leiden University. The research culminated in the writing of this PhD dissertation in 2013. As of March 2013, Sven is working as a software engineer at ARM.

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