

CONTACT INFORMATION

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COMPETENCIES

My primary competencies comprise:

- Product development and technical sales of advanced software solutions
- Project management, consultancy and teaching
- Implementation of Java, XML and .NET solutions
- Strong theoretical IT background
- Analytical, inventive, creative
- Creation of sales, marketing and press material
- Experience in entrepreneurship and business development

WORKING EXPERIENCE

- 2005 – External Associate Professor in software technology, Department of Informatics and Mathematical Modeling, Technical University of Denmark.
- 2000 – Product Manager at Configit Software A/S which I am also co-founder of and where I have the responsibility for product development, technical sales, contract negotiations, project management, teaching, marketing and public relations in connection to companies such as Danfoss, Vestas and Europæiske Rejseforsikring.
- 2000 Teacher at the IT University in Copenhagen in the courses *Data Security* and *Advanced Algorithms and Programs*.
- 1998 Teacher at the Technical University of Denmark in the course *Advanced Algorithms*.
- 1996 – 1998 Software Developer at Catalog International (now Intentia) with responsibility for implementation of web-based sales systems, and automated test and build systems.
- 1991 – 1996 Consultant and Technician in a computer store.

EDUCATION

- 1999 – 2000 Visiting PhD student at University of British Columbia, Vancouver, Canada where I took PhD courses and participated in a research project on hardware verification.
- 1998 – 2002 PhD from the IT University in Copenhagen. My dissertation describes a new technology for verification and quality-assurance of safety critical systems, and the main results have been patented under the *Patent Cooperation Treaty* and published in *International Journal of Logic and Algebraic Programming*.
- 1993 – 1998 Master of Science in Electrical Engineering (MSc EE) from the Technical University of Denmark. My dissertation is about algorithms and data structures for formal verification.
- 1988 – 1991 Mathematical student from Odense Katedralskole. Awarded with a grant for excellence in Physics (“Karl Schmidts mindelegat”).

LANGUAGE

I am fluent in Danish and English, and I speak German at conversation level.

OTHER INFORMATION

I am 34 years old and married to Charlotte with whom I have a three-year old son and half-year old daughter. In my spare time I game hunt, swim, read books, and spend time with my family.

SCIENTIFIC PUBLICATIONS

- [1] S. Subbarayan, R.M. Jensen, T. Hadzic, H.R. Andersen, H. Hulgaard, and J. Møller. Comparing Two Implementations of a Complete and Backtrack-Free Interactive Configurator. In R. Barták, U. Junker, M.-C. Silaghi, and M. Zanker, editors, *Proc. Workshop on CSP Techniques with Immediate Application*, pages 97–111, Toronto, Canada, 27 September 2004.
- [2] T. Hadzic, S. Subbarayan, R.M. Jensen, H.R. Andersen, J. Møller, and H. Hulgaard. Fast Backtrack-Free Product Configuration using a Precompiled Solution Space Representation. In *Proc. International Conference on Economic, Technical and Organisational aspects of Product Configuration Systems*, Lyngby, Denmark, 28–29 June 2004.
- [3] J. B. Møller. Symbolic Model Checking of Real-Time Systems using Difference Decision Diagrams. PhD dissertation. Department of Innovation, IT University of Copenhagen, Denmark, 15 April 2002.
- [4] J.B. Møller. Simplifying Fixpoint Computations in Verification of Real-Time Systems. In *Proc. Second Workshop on Real-Time Tools*, Copenhagen, Denmark, 1 August 2002.
- [5] J.B. Møller. DDDLIB: A Library For Solving Quantified Difference Inequalities. In A. Voronkov, editor, *Proc. 18th International Conference on Automated Deduction*, 27–30 July, 2002, Copenhagen, Denmark, Lecture Notes in Computer Science, Springer-Verlag, 2002.
- [6] J. Møller, H. Hulgaard, and H.R. Andersen. Timed Verification of Asynchronous Circuits. In J. Cortadella, A. Yakovlev, G. Rozenberg, editors, *Concurrency and Hardware Design: Advances in Petri Nets*, volume 2549 of Lecture Notes in Computer Science, pages 274–312, Springer-Verlag, 2002.
- [7] J. Møller, H.R. Andersen, and H. Hulgaard. Product Configuration over The Internet. In *Proceedings 6th INFORMS Conference on Information Systems and Technology*, Miami Beach, Florida, USA. 3–7 November 2001.
- [8] J. Lichtenberg, H.R. Andersen, H. Hulgaard, J. Møller, and A.S. Rasmussen. Virtual Tabulation. *US Provisional Application for Patent*. December 2000.
- [9] H.R. Andersen, H. Hulgaard, J. Lichtenberg, and J. Møller. A Data Structure And Its Use. *International patent application*, published under the Patent Cooperation Treaty (PCT), international publication number WO 00/13113. March 2000.
- [10] J. Møller, J. Lichtenberg, H.R. Andersen, and H. Hulgaard. Difference Decision Diagrams. In J. Flum and M. Rodríguez-Artalejo, editors, *Proc. 13th International Conference on Computer Science Logic*, volume 1683 of Lecture Notes in Computer Science, pages 111–125, Madrid, Spain, September 1999.
- [11] Jesper Møller, Jakob Lichtenberg, Henrik R. Andersen, and Henrik Hulgaard. Fully Symbolic Model Checking of Timed Systems Using Difference Decision Diagrams. In *Proc. First International Workshop on Symbolic Model Checking*, volume 23-2 of Electronic Notes in Theoretical Computer Science, pages 89–108, Trento, Italy, 6 July 1999.
- [12] J. Møller and J. Lichtenberg. Difference decision diagrams. Master’s Thesis. Department of Information Technology, Technical University of Denmark. August 1998.

POPULAR SCIENCE PUBLICATIONS (IN DANISH)

- [13] J. Møller and J. Lichtenberg. Internettets intelligente sælgere. I *Danmarks Radio's Orbitalen*, august 2001.
- [14] J. Møller. Computeren som fejlfinder. I *Danmarks Radio's Orbitalen*, september 2000.
- [15] M. Ginnerup, J. Møller, S. Weichel og R.K. Vestergaard. Fagre nye fosterdiagnose. I *Berlingske Tidende*, 4. maj 1999, sektion 4, side 6.
- [16] M. Ginnerup, J. Møller, S. Weichel og R.K. Vestergaard. Det mikromekaniske værksted. In *Berlingske Tidende*, 4. maj 1999, sektion 4, side 6.

TALKS

- [17] J.B. Møller. Symbolic Model Checking of Real-Time Systems using Difference Decision Diagrams. Defense of PhD dissertation. Department of Innovation, IT University of Copenhagen, Denmark, 30 May 2002.
- [18] J.B. Møller. Simplifying Fixpoint Computation in Verification of Real-Time Systems. Presentation at *Second International Workshop on Real-Time Tools*, Copenhagen, Denmark, 1 August 2002.
- [19] J.B. Møller. DDDLIB: A Library for Solving Quantified Difference Inequalities. Presentation at *18th International Conference on Automated Deduction*, Copenhagen, Denmark, 27-30 July 2002.
- [20] J.B. Møller. Configuration and E-commerce. Invited talk at *16th IFORS Conference of the International Deferation of Operational Research Societies*, Edinburgh, Scotland, 8-12 July 2002.
- [21] J.B. Møller. Symbolic Model Checking of Real-Time Systems using Difference Decision Diagrams. PhD defence, IT University of Copenhagen, Denmark, 30 May 2002.
- [22] J. Møller, H. Hulgaard, and H.R. Andersen. Product Configuration over the Internet. Presentation at *6th INFORMS Conference on Information Systems and Technology*, Miami Beach, Florida, USA. 3-7 November 2001.
- [23] J. Møller. Verification of Systems with Non-Boolean Variables. Presentation of PhD project for Birte Weiss (Danish Minister of Research and Information Technology) and Jose Mariano Gago (Portuguese Minister of Science and Technology). IT University, Copenhagen, Denmark, 7 May 2001.
- [24] J. Møller, J. Lichtenberg, H.R. Andersen, and H. Hulgaard. Difference decision diagrams. Presentation at *13th International Conference on Computer Science Logic*, Madrid, Spain, September 1999.
- [25] J. Møller, J. Lichtenberg, H.R. Andersen, and H. Hulgaard. Fully symbolic model checking of timed systems using difference decision diagrams. Presentation at *First International Workshop on Symbolic Model Checking*, Trento, Italy, July 1999.
- [26] J. Møller and J. Lichtenberg. Difference decision diagrams. Defense of Master's Thesis. Department of Information Technology, Technical University of Denmark, 5 October 1998.