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Positions

Since 03/2016	Postdoc, Department of Informatics, University of Zurich, Zurich
02/2012 – 02/2016	PhD Candidate, Department of Informatics, University of Zurich, Zurich
01/2009 – 12/2011	Management Consultant, Business Technology Office of McKinsey & Company, Inc., Frankfurt
10/2003 – 07/2008	Teaching Assistant, Department of Mathematics, University of Freiburg, Freiburg
01/2008 – 03/2008	Intern, Advisory, PricewaterhouseCoopers AG WPG, Hamburg
2000 – 2002	Entrepreneur, Jan Jacobsen and Timo Vollmer GbR, Hannover
2000	Intern, Project and Account Management, eskatoo GmbH, Nurnberg

Education

02/2016	Doctor of Science (Computer Science), University of Zurich Thesis: *Trade-offs between Strategyproofness and Efficiency of Ordinal Mechanisms* Dissertation Committee: Sven Seuken (chair), Tayfun Sönmez, Eric Budish Mark: summa cum laude
06/2009	Diplom/M.Sc. (Mathematics), University of Freiburg Thesis: *Inhomogeneous Multinomial Trees with Applications to Lévy Terms Structure Models* Advisor: Ernst Eberlein Mark: 1 (equivalent A)
06/2001	General Qualification for University Entrance (Abitur) IGS Garbsen Mark: 1.5 (equivalent A)

Publications (Peer-reviewed)

The Pareto Frontier for Random Mechanisms. With Sven Seuken. Extended abstract in Proceedings of the 17th ACM Conference on Economics and Computation, Maastricht, The Netherlands, July 2016.

The Power of Local Manipulation Strategies in Assignment Mechanisms. With Michael Weiss, Basil Philipp, and Sven Seuken. In Proceedings of the 23rd International Joint Conference on Artificial Intelligence, Buenos Aires, Argentina, July 2015.

An Axiomatic Approach to Characterizing and Relaxing Strategyproofness of One-sided Matching Mechanisms. With Sven Seuken. Extended abstract in Proceedings of the 15th ACM Conference on Economics and Computation, Stanford, CA, June 2014.

Working Papers and Work in Progress

First-Choice Maximal and First-Choice Stable School Choice Mechanisms. With Umut Dur and Sven Seuken. June 2017.

Trade-offs in School Choice: Comparing Deferred Acceptance, the Naive and the Adaptive Boston Mechanism. With Sven Seuken. March 2016.

Hybrid Mechanisms: Trading Off Strategyproofness and Efficiency of Random Assignment Mechanisms. With Sven Seuken. October 2015

Two New Impossibility Results for the Random Assignment Problem. With Sven Seuken. August 2016.

An Axiomatic Decomposition of Strategyproofness for Ordinal Mechanism with Indifferences. With Sven Seuken. August 2016.

Local Sufficiency for Partial Strategyproofness. With Sven Seuken. August 2016.

Other Articles

Relaxing Strategyproofness in One-sided Matching. With Sven Seuken. ACM SIGecom Exchanges, Vol. 13, No. 1. 2014.

Awards and Scholarships

2017	*Mercator Award 2017*, category "Economics and Law"
2015	*Travel Grant*, COST Action, EUR 500 *Travel Grant*, AAAI, EUR 500 *Travel Grant*, Econometric Society, EUR 1'300
2014	*Travel Grant*, Game Theory Society, EUR 500 *Travel Grant*, COST Action, EUR 400
2013	*Travel Grant*, COST Action, EUR 400
2012	*Fellowship*, Fellow Program of McKinsey & Co., Inc., funding for initial year of PhD studies
2007	*Scholarship*, Baden-Württemberg-Stipendium, EUR 2'000

Refereeing Services

Reviewer for Games and Economic Behavior (since 2015)

Reviewer for ACM Conference on Economics and Computation (since 2013)

Departmental Services

2014	*Co-author*, grant proposal (with Sven Seuken), Swiss National Science Foundation, CHF 281'436 (accepted)
2013	*Co-author*, grant proposal (with Sven Seuken), Hasler Foundation, CHF 50'000 (accepted)

Talks

2016	*13th Meeting of the Society for Social Choice and Welfare*, Lund, Sweden *17th ACM Conference on Economics and Computation*, Maastricht, The Netherlands *5th World Congress of the Game Theory Society*, Maastricht, The Netherlands *12th Workshop Matching in Practice*, Budapest, Hungary
2015	*11th World Congress of the Econometric Society*, Montreal, Canada *Meeting of COST Action IC1250 on Computational Social Choice*, Istanbul, Turkey *24th International Joint Conference on Artificial Intelligence*, Buenos Aires, 2015
2014	*15th ACM Conference on Economics and Computation*, Stanford, USA *7th Workshop Matching in Practice*, Berlin, Germany *12th Meeting of the Society for Social Choice and Welfare*, Boston, USA *Intl. Workshop on Game Theory and Economic Applications of the Game Theory Society*, Sao Paulo, Brazil
2013	*UECE Lisbon Meetings in Game Theory and Applications 2013*, Lisbon, Portugal

Teaching

2016	*Lecturer*: Economics and Computation. Lecture at University of Zurich (with Sven Seuken)
2012 – 2014	*Teaching Assistant*: Economics and Computation. Lectures at University of Zurich *Teaching Assistant*: Advanced Topics in Economics and Computation. Seminars at University of Zurich
2003 – 2008	*Teaching Assistant*: Stochastic Processes and Financial Mathematics, Analysis, Stochastics, Probability Theory. Lectures at University of Freiburg

Advised Theses (with Sven Seuken)

Human-Supported Recommender Systems – An Experimental Evaluation. MSc Thesis by Johannes Hool. 2016.

Developing a State-of-the-Art Recommender Algorithm for CoRe. MSc Thesis by Michael Kündig. 2016.

Computing the Pareto Frontier for Random Mechanisms. BSc Thesis by Daniel Abächerli. 2016.
Winner of the UZH Semesterpreis Fall 2015.

Leveraging Competition Amongst Peers as a Motivating Factor in Learning Software. BSc Thesis by Stefan Bublitz. 2015.

Matching Experiments on Amazon Mechanical Turk. BSc Thesis by Michael Weiss. 2014.

Simulation of Boundedly Rational Manipulation Strategies on One-Sided Matching Markets. BSc Thesis by Basil Philipp. 2013.
Winner of the UZH Semesterpreis Spring 2013.