

## Marcel Taeumel

### (a) Professional Preparation

Period	Degree	Institution
Since 2011	Ph.D. Student	Hasso Plattner Institute
2009 – 2011	M.Sc. Software Engineering	Hasso Plattner Institute
2006 – 2009	B.Sc. Software Engineering	Hasso Plattner Institute

### (b) Appointments

Period	Position	Institution	Activities
Since 2011	Research Assistant	Hasso Plattner Institute	Research and teaching on Programming Languages, Tools, and Environments
2009 – 2011	Student Research Assistant	Hasso Plattner Institute	Design and development of research prototypes for Design Thinking, Agile Development, and Collaboration

### (c) Publications

- Patrick Rein, [Marcel Taeumel](#), Robert Hirschfeld, Michael Perscheid. Exploratory Development of Data-intensive Applications. In Proceedings of the 2nd Programming Experience Workshop (PX), co-located with <Programming> 2017, Brussels, Belgium, April 3, 2017, ACM. *To appear*.
- [Marcel Taeumel](#), Stephanie Platz, Bastian Steinert, Robert Hirschfeld. *Unravel Programming Sessions with THRESHER: Identifying Coherent and Complete Sets of Fine-granular Source Code Changes*. In Journal of the Japan Society for Software Science and Technology (JSSST) on Computer Software, vol. 34, no. 1, pages 103-118, 2017, Japan.
- [Marcel Taeumel](#), Robert Hirschfeld. *Making Examples Tangible: Tool Building for Program Comprehension*. In Design Thinking Research: Taking Breakthrough Innovation Home, pages 161-182. 2016, Springer.
- [Marcel Taeumel](#), Robert Hirschfeld. *Evolving User Interfaces Within Self-sustaining Programming Environments: Exploring the Project Concept of Squeak/Smalltalk to Bootstrap UIs*. In Proceedings of the 1<sup>st</sup> International Workshop on Programming Experience (PX), co-located with ECOOP 2016, pages 43-59, Rome, Italy, July 18, 2016, ACM.
- Astrid Thomschke, Daniel Stolpe, [Marcel Taeumel](#), Robert Hirschfeld. *Towards Gaze Control in Programming Environments*. In Proceedings of the 1<sup>st</sup> International Workshop on Programming Experience (PX), co-located with ECOOP 2016, pages 27-32, Rome, Italy, July 18, 2016, ACM.
- Patrick Rein, [Marcel Taeumel](#), Robert Hirschfeld. *Gramada: Immediacy in Programming Language Development*. In Proceedings of the ACM Symposium for New Ideas, New Paradigms, and Reflections on Everything to do with Programming and Software (Onward!) 2016, co-located with OOPSLA 2016, pages 165-179, Amsterdam, The Netherlands, October 30-November 4, 2016, ACM.
- Michael Perscheid, Benjamin Siegmund, [Marcel Taeumel](#), Robert Hirschfeld. *Studying the Advancement in Debugging Practice of Professional Software Developers*. In Software Quality Journal, pages 1-28. 2016, Springer.
- [Marcel Taeumel](#). *Leveraging Programmers' Skills: Interleaving of Modification and Use in Data-driven Tool Development*. In Proceedings of the 8<sup>th</sup> Ph.D. Retreat of the HPI Research School on Service-oriented Systems Engineering, pages 191-202. 2015, Hasso Plattner Institute.
- [Marcel Taeumel](#), Michael Perscheid, Bastian Steinert, Jens Lincke, and Robert Hirschfeld. *Interleaving of Refinement and Use in Data-driven Tool Development*. In Proceedings of the ACM Symposium for New Ideas, New Paradigms, and Reflections on Everything to do with Programming and Software (Onward!) 2014, co-located with OOPSLA 2014, pages 185-200, Portland, Oregon, USA, October 20-24, 2014, ACM.
- [Marcel Taeumel](#), Tim Felgentreff, Robert Hirschfeld. *Applying Data-driven Tool Development to Context-oriented Languages*. In Proceedings of the 6<sup>th</sup> International Workshop on Context-oriented Programming (COP), Uppsala, Sweden, July 29, 2014, ACM.
- [Marcel Taeumel](#). *No Tools but Objects: Towards Direct Manipulation Programming Environments*. In Proceedings of the 7<sup>th</sup> Ph.D. Retreat of the HPI Research School on Service-oriented Systems Engineering, pages 161-172. 2014, Hasso Plattner Institute.
- [Marcel Taeumel](#). *Interleaving Programming Tasks: Challenges for Interruption Handling in Programming Environments*. In Proceedings of the 6<sup>th</sup> Ph.D. Retreat of the HPI Research School on Service-oriented Systems Engineering, pages 179-190. 2013, Hasso Plattner Institute.
- Bastian Steinert, [Marcel Taeumel](#), Damien Cassou, Robert Hirschfeld. *Adopting Design Practices for Programming*. In Design Thinking Research: Measuring Performance in Context, pages 247-262. 2012, Springer.
- [Marcel Taeumel](#), Bastian Steinert, Robert Hirschfeld. *The VIVIDE Programming Environment—Connecting Run-time Information with Programmers' System Knowledge*. In Proceedings of the ACM Symposium on New Ideas, New Paradigms, and Reflections on Programming and Software (Onward!) 2012, pages 117-126, Tucson, Arizona, USA, October 19-26, 2012, ACM.
- Bastian Steinert, [Marcel Taeumel](#), Jens Lincke, Tobias Pape, Robert Hirschfeld. *CodeTalk—Conversations about Code*. In Proceedings of the Conference on Creating, Connecting and Collaborating through Computing (C5) 2010, pages 11-18, San Diego, California, USA, January 25-27, 2010, IEEE.

### (d) Synergistic Activities

- Program committee co-reviewer: ECOOP'12/'13, OOPSLA'13, DLS'12/'13/'14/'15, Programming'17, INTERACT'17
- Program committee: PX'16, PX'17
- Conference guide design: AOSD'12
- Squeak/Smalltalk core developer; Squeak Oversight Board 2015-2017 (<http://www.squeak.org>)
- Squeak/Smalltalk open source projects (<https://www.github.com/hpi-swa>)
- First chairman of the Squeak Deutschland e.V. Q4 2016-2017

### (ei) Collaborations and Other Affiliations

Dr. Bert Freudenberg (Viewpoints Research Institute, Los Angeles), Dr. Carl Friedrich Bolz (King's College, London), Dr. Michael Haupt (Oracle Labs, Potsdam), Richard P. Gabriel (PhD, IBM Research, San José), Dr. Michael Perscheid (SAP Innovation Center, Potsdam), Dan Ingalls (Communications Design Group, San Francisco), Dr. Stefan Hanenberg (University of Duisburg-Essen), Dr. Malte Appeltauer (Zalando, Berlin), Dr. Bastian Steinert (Signavio, Berlin), Kateryna Kuksenok (PhD, SAP Innovation Center, Potsdam)

### (eii) Graduate Advisors

Prof. Dr. Robert Hirschfeld (Hasso Plattner Institute)