

Gábor Bergmann

CONTACT INFORMATION	Kárpát u. 40. Budapest, 1133 Hungary	Phone: +36-30-458-1363 E-mail: bergmann@mit.bme.hu Homepage: http://mit.bme.hu/~bergmann/en
INTERESTS	Software modeling, model-driven techniques, query technology, Big Models, reactive programming, formal methods, cyber-physical systems, distributed and parallel computations.	
PHD THESIS	“ <i>Incremental Model Queries in Model-Driven Design</i> ”, defended in 2013.	
POSITIONS	BME ¹ , <i>Researcher and Instructor (currently as Assistant Professor)</i> Google Zürich , <i>Software Engineering Intern</i> IncQuery Labs Ltd. <i>Co-founder, Model-driven Engineering and Query Expert</i> MTA ² - BME Cyber-Physical Systems Research Group <i>Postdoc</i>	2006 – 2010 2013 – 2016 –
TEACHING	Supervisor of several BSc and MSc theses. Course leader of “ <i>Model-driven System Design</i> ”, “ <i>Critical Systems Integration Laboratory</i> ”; co-taught “ <i>System Modeling</i> ”, “ <i>IT System Design</i> ”, “ <i>Service Integration</i> ” (lectures); “ <i>Database Theory</i> ” (practice sessions), “ <i>Formal Methods</i> ” (demonstrator).	
COMMITTEE MEMBERSHIPS	<ul style="list-style-type: none">• Intl. Conf. Graph Transformation (ICGT) Program Committee 2015–2018• Intl. Conf. Software Technologies (ICSOT) Program Committee 2015–2017• Intl. Conf. Model Driven Engineering Languages and Systems (MODELS) Poster Committee 2017–2018	
SELECTED PUBLICATIONS	<p>G. Bergmann, Cs. Debreceni, I. Ráth, D. Varró. <i>Query-based Access Control for Secure Collaborative Modeling using Bidirectional Transformations</i>. ACM/IEEE 19th Int. Conf. on Model Driven Engineering Languages and Systems (MODELS 2016). Acceptance rate: 27%. ACM Distinguished Paper Award. Independent citations: 3.</p> <p>Z. Ujhelyi, G. Bergmann, Á. Hegedüs, Á. Horváth, B. Izsó, I. Ráth, Z. Szatmári, D. Varró. <i>EMF-IncQuery: An integrated development environment for live model queries</i>. Science Of Computer Programming Vol. 98/1, pp. 80-99. Elsevier, 2015. Independent citations: 35.</p> <p>G. Bergmann. <i>Translating OCL to Graph Patterns</i>. ACM/IEEE 17th Intl. Conf. Model Driven Engineering Languages and Systems (MODELS 2014). Acceptance rate: 26%. Independent citations: 22.</p> <p>G. Bergmann, I. Ráth, G. Varró, D. Varró. <i>Change-driven Model Transformations: Change (in) the Rule to Rule the Change</i>. Software and Systems Modeling, vol. 11/3, pp. 431-461. Springer, 2012. Impact factor: 1.654. Independent citations: 26.</p>	
AWARDS, HONOURS	<ul style="list-style-type: none">• MTA “Bolyai János” postdoc research grant: 2017–2020• ACM Distinguished Paper Award: 2016• “Jedlik Ányos” national PhD candidate research grant: 2013• Faculty scholarship for PhD candidates, 2011• National Scientific Student Conference (OTDK), 2009: <i>1st prize</i>• Fellowship of the Republic (2006/7 and 2007/8)	

¹Budapest University of Technology and Economics

²Hungarian Academy of Sciences