

## PERSONAL INFO

Name Gábor Borbély  
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webpage [math.bme.hu/~borbely/indexeng.html](http://math.bme.hu/~borbely/indexeng.html)  
<http://hlt.bme.hu/en/gaebor>  
<https://github.com/gaebor>

## EDUCATION

2003 – 2007 Lovassy László High school (faculty of mathematics)  
2007 – 2010 BME faculty of natural sciences, Mathematics Bsc,  
Department of Differential equations, supervisor: P. Bálint  
*Study of Decay of Correlations in a System of Two Falling Balls*  
2010 – 2013 BME faculty of natural sciences, Applied Mathematics Msc,  
Department of Differential equations, supervisor: É. Gyurkovics  
*Application of an Abstract Multiplier Method in Model Predictive Control  
with Guaranteed Cost*  
2013 – 2016 BME Doctoral School of Mathematics and Computer Science (ABD)

## PUBLICATIONS

2011 August Conference on Chaotical Systems (wchaos11) poster award  
2012 P. Bálint, A. Némely Varga, G. Borbély  
*Statistical Properties of The System of Two Falling Balls*  
Chaos 22: (2) Paper 026104  
2013 Borbély, D., Koppányi, Z., Borbély, G., Görög, P.  
*Töréskép-optimalizálás alkalmazása a geotechnikában*  
Magyar építőipar 2013, 3.  
2016 January G. Recski, A. Bolevác, G. Borbély  
*Building definition graphs using monolingual dictionaries of Hungarian*  
XII. Magyar Számítógépes Nyelvészeti Konferencia (MSZNY 2016)  
2016 August G. Borbély, A. Kornai, M. Makrai, D. Nemeskey  
*Evaluating multi-sense embeddings for semantic resolution  
monolingually and in word translation*  
RepEval (ACL2016)  
2016 B. Szilágyi, Cs. Gy. Csehi, G. Borbély:  
*On the rectifiability condition of a second order differential equation  
in special Finsler spaces*, Studies of the University of Žilina  
Mathematical Series 28: pp. 5-12. (submitted in 2011)

## EMPLOYMENTS

2010 fall – 2015	Mathematics courses for engineers at BME
2011 spring	participant of network modelling project at Nokia Siemens Networks.
2011 summer	Dolphio Consulting Ltd. internship
2012 – 2014	Research and Development (C++) at Dolphio Technologies Ltd.
2017 February –	Lecturer at BME Department of Algebra
2017 summer	SignAll project

## OTHERS

Program languages	Lan-	C, C++ (GNU and Visual C++, STL and OpenCv library), Matlab, Wolfram Mathematica, $\LaTeX$ , Python 2 and 3 (numpy and theano libraries)
Foreign languages	Lan-	english: intermediate level exam, reading and writing of scientific literature, german: beginner
Out-of-school		president of the university climbing club in the fall of 2011 member of Mensa HungarIQa in 2015