Curriculum Vitae 2018

Personal information

Name and surname:	Gergő Pintér
Nationality:	Hungarian
Citizenship:	Hungarian
Email:	pinter.gergo@renyi.mta.hu,
	pinter.gergo.elte@gmail.com

Work experience

2020 – present	Budapest University of Technology and Economics (BME), Institute of physics
2018 – present	Eötvös Lorand University, Department of Analysis
2015 – 2018	MTA Alfréd Rényi Institute of Mathematics, young researcher
2013 – 2015	MTA Alfréd Rényi Institute of Mathematics, research assistant ERC LDTBud Low dimensional topology research group principal investigator: András Stipsicz

Education

2010 – 2013	PhD school in theoretical mathematics, Eötvös Loránd University (ELTE), Budapest, Hungary, defense: 12th June 2018.
	Research topic: *Topology of complex singularities*
	Advisor: András Némethi, MTA Alfréd Rényi Institute of Mathematics
2005 – 2010	mathematician (MSc equivalent), ELTE
	Master's Thesis topic: *Generalized Gauss-Bonnet theorem,* advisor: András Némethi

Research interest: low dimensional topology, singularity theory of complex surfaces and mappings, immersion theory, algebraic geometry, topology of quantum systems

List of publications

András Némethi, G. P.: *Immersions associated with holomorphic germs,*
    Comment. Math. Helv., **90**, (2015), 513-541.

András Némethi, G. P.: *The boundary of the Milnor fibre of certain non-isolated*
    singularities, Periodica Mathematica Hungarica. **77**(1), (2018), 1-24.

Teaching experience

I was giving lectures and seminars at
-   Budapest Business School (BGE) (2010 – 2013),
-   Budapest University of Technology and Economics (BME) (2013 –)
-   Eötvös Loránd University (ELTE) (2015 –)
in the following topics: analysis, calculus, probability theory, vector calculus, operations analysis, popular mathematics.

Popular Science Activity

2012 – MathMorphosis (MateMorfőzis) lecture series (organizer, facilitator)
MateMorfőzis is a lecture series about mathematical topics in Hungarian festivals and pubs, for non-mathematical audience. The topics are unusual, typically not known from high school. MateMorfőzis events are kind of mathematicial "poetry" evenings.

Book: G. P.: *Új világok teremtése – Geometria képzetek és képződmények,*
    Typotex Kiadó (2020)

TEDxYouth Budapest 2016 (Space creation)
Academy for Everybody (tv show) 2017
Reasearch of the Unknown – math & dance project with Luca Dömötör dancer

Conference lectures

Tatra conference in Low-dimensional topology, Male Ciche, Poland, August of 2015
Young researchers' talks, MTA Rényi Institute, Budapest, Hungary, (2013, 2014, 2015, 2017)

Further educational talks and student lectures
Johannes Kepler University, Linz, January of 2018
Mathematics Institute of the University of Warwick, November of 2017
Department of Geometry and Topology of the University of Valencia, November of 2017
Calculus Department of Faculty of Science, ELTE, Budapest, (several times)
Geometry Department of BME (several times)
Two lectures between 2007 and 2012 on Bolyai College Student Conferences
Two lectures between 2007 and 2012 on Eötvös College Student Conferences

Participation in summer schools and conferences
2015 March: Geometry of singular spaces and maps, Luminy, France
2013 September: Algebra, Geometry and Topology of Singularities, Madrid, Spain
2012 June: Affine algebraic geometry workshop, Warsaw, Poland
2012 June: Bill Bruce 60 and Terry Wall 75, Workshop in singularity theory, Liverpool, UK
2011 September: Autumn school in Mainz, Germany

Further professional activity
2005 – 2012: Member of the Bolyai College

Language skills: English (intermediate), German (basic)