



Tamás Róbert Mezei

Work

Sep 2016 – **mathematician**, *Alfréd Rényi Institute of Mathematics, Hungarian Academy of Sciences*, Budapest.
Sep 2019
Funded by NKFIH project K-116769 and KH-126853

Selected publications

1. **Efficiently sampling the realizations of bounded, irregular degree sequences of bipartite and directed graphs**, *PLOS One*, 20 pages, August 2018.
P. L. Erdős, I. Miklós, D. Soltész, TRM
2. **Mobile vs. point guards**, *Discrete & Computational Geometry*, 34 pages, online in April 2018.
E. Győri, TRM
3. **Oral administration of pyrophosphate inhibits connective tissue calcification**, *EMBO Molecular Medicine*, Volume 9, Issue 11, Pages 1463–1470, November 2017.
D. Dedinszki, F. Szeri, E. Kozák, V. Pomozi, N. Tókési, TRM, K. Merczel, E. Letavernier, E. Tang, O. Le Saux, T. Arányi, Koen van de Wetering, A. Váradi
4. **Terminal-pairability in complete graphs**, *Journal of Combinatorial Mathematics and Combinatorial Computing*, 10 pages, accepted in October 2016.
E. Győri, G. Mészáros, TRM

Education

Sep 2017 **Doctor of Philosophy in Mathematics and its Applications**, *Central European University (CEU)*, Budapest, Supervisor: Ervin Győri.
(Program approved and registered by the New York State Education Department)

July 2013 **Master of Science in Mathematics**, *Eötvös Loránd University (ELTE)*, Budapest, *with honours*.

July 2011 **Bachelor of Science in Mathematics**, *Eötvös Loránd University (ELTE)*, Budapest, *with distinction*.

June 2008 **High School Diploma**, *Berzsenyi Dániel Gimnázium*, Budapest, Grade: 5.

PhD studies

Nov 2017 **Disseration defense**, *Summa cum laude*.

April 2015 **Academic Achievement Award for First-Year Doctoral Students**.

June 2014 **PhD candidate**, *Commitee: László Csirmaz, Gábor Tardos, Ervin Győri (supervisor)*.

May 2014 **Comprehensive exam of 1st year PhD students**, *Grades: A's in all subjects*.

Fields of interest

Combinatorics, graph theory, discrete geometry, algorithms.

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Other

- Feb 2012 – **Instructor**, *Computer science course*.
June 2012 A course for undergraduate mathematicians and applied mathematicians, with the purpose of developing problem solving skills and understanding the lecture material.
Sep 2008 – Member of Mathematics Workshop of Eötvös József College
July 2013

Competitions

- Jun 2014 Internet programming contest, 52nd out of 660 (<http://ipsc.ksp.sk/2014/results/>)
May 2014 Finalist in Challenge24 as the only Hungarian team (ch24.org)
March 2013 Beesmarter competition, 1st place (beesmarter.org)
Nov 2012 Ericsson competition, 2nd place (www.ericssonbajnoksag.hu)
May 2010 Finalist in Challenge24 programming contest (ch24.org)
Apr 2008 Finalist in the national **programming** contest for high school students
Spring 2006 Finalist in the national **mathematics** contest for high school students

Languages

Hungarian	Native	
English	Advanced	TOEFL iBT, Score 109/120, September 2012
German	Beginner	ÖSD B2 (Mittelstufe), Östereich Institut Budapest, June 2007

Computer skills

C++, \LaTeX , Linux