

Tentative program of the workshop of the
Graduate School of Mathematics and Computer Science
Budapest University of Technology and Economics

June 11-13, 2012

Organized within the framework of the project

"Talent care and cultivation in the scientific workshops of BME"

(TÁMOP - 4.2.2.B-10/1-2010-0009)



<http://www.math.bme.hu/tamop422>

<http://tehetseg.bme.hu>

Venue:

BME, Institute of Mathematics,
Budapest, Egry József u. 1; Building H, Hall H46

Monday, June 11

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| 8.55 – 9.00 | Informal opening |
| 9.00 – 9.25 | Zsuzsanna Barta The locomotive assignment problem |
| 9.25 – 9.50 | Gábor Lovics A method to approximate the Pareto-optimal set of the Markowitz-model |
| 9.50 – 10.05 | BREAK |
| 10.05 – 10.30 | Tamás Kiss SVD factorization methods for computing missing matrix entries |
| 10.30 – 10.55 | Julianna Göbölös-Szabó Link Prediction for Multilingual Wikipedia |
| 10.55 – 11.10 | BREAK |
| 11.10 – 11.35 | Lajos Boróczki Face and edge transitive tilings in three dimensional non-Euclidean spaces |
| 11.35 – 12.00 | Balázs Csizmadia Almost shortest paths in $O(n^{\frac{3}{2}}m^{\frac{1}{2}})$ time |
| 12.00 – 12.15 | BREAK |
| 12.15 – 12.40 | Péter Szabó Bounds on the Number of Edges in Hypertrees |
| 12.40 – 13.05 | Ágnes Tóth The ultimate categorical independence ratio |
| 13.05 – 13.30 | Ambrus Zsbán TBA |

Tuesday, June 12

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| 9.00 – 9.25 | Eszter Rozgonyi Additive representation functions |
| 9.25 – 9.50 | Rudolf Csikja Dynamical systems with hysteresis |
| 9.50 – 10.05 | BREAK |
| 10.05 – 10.30 | Júlia Komjáthy First passage percolation on inhomogeneous random graphs |
| 10.30 – 10.55 | Péter Móra Multifractal analysis of the TCP protocol |
| 10.55 – 11.10 | BREAK |
| 11.10 – 11.35 | Illés Horváth Newer versions of sector conditions |
| 11.35 – 12.00 | Balázs Bárány Slicing the Sierpinski gasket |
| 12.00 – 12.15 | BREAK |
| 12.15 – 12.40 | András Némegy Varga Investigating statistical properties of higher dimensional hyperbolic systems by coupling techniques |
| 12.40 – 13.05 | Péter Nándori Lorentz process with shrinking holes in a wall |

Wednesday, June 13

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| 9.00 – 9.25 | Jean-Paul André Modeling stone erosion |
| 9.25 – 9.50 | Tamás Kói Capacity Regions of Partly Asynchronous Multiple Access Channels |
| 9.50 – 10.05 | BREAK |
| 10.05 – 10.30 | András Szántó Complementarity in Matrix Algebras |
| 10.30 – 10.55 | László Ruppert Efficient state estimation for quantum systems |