

Lista de lucrări

a. Articole științifice

- Sumi, R., Molnár, B. and Ercsey-Ravasz, M. (2014) *Robust optimization with transiently chaotic dynamical systems*, European Physics Letters, 106(4).
- Molnár, B. and Ercsey-Ravasz, M. (2013) *Asymmetric Continuous-Time Neural Networks without Local Traps for Solving Constraint Satisfaction Problems*, PLoS ONE, 8(9).
- Molnár, B. and Ercsey-Ravasz, M. (2014), *Analog dynamics for solving max-SAT problems*, 14th Int. Workshop on Cellular Nanoscale Networks and their Applications (CNNA)
- Molnár, B., Sumi, R. and Ercsey-Ravasz, M. (2014), *A CNN SAT-solver robust to noise*, 14th Int. Workshop on Cellular Nanoscale Networks and their Applications (CNNA)
- Molnár, B., Toroczkai, Z. and Ercsey-Ravasz, M. (2012), *Continuous-time Neural Networks Without Local Traps for Solving Boolean Satisfiability*, 13th Int. Workshop on Cellular Nanoscale Networks and their Applications (CNNA)
- Néda, Z., Sumi, R., Ercsey-Ravasz, M, Varga, M., Molnár B. and Cseh, Gy. *Correlation clustering on networks*, Journal of Physics A: Math. Theor. 42 (2009) 345003

b. Teza de doctorat

- Continuous-Time Dynamical Systems for Solving Constraint Satisfaction Problems (Sisteme Dinamice Continue pentru Rezolvarea Problemelor de Satisfacere a Constrângerilor), 2016

c. Prezentări la conferințe

- *Analog dynamics for solving max-SAT problems*, 14th Int. Workshop on Cellular Nanoscale Networks and their Applications (CNNA), University of Notre Dame, Notre Dame, IN, USA, Jul 29-31, 2014
- *A CNN SAT-solver robust to noise*, 14th Int. Workshop on Cellular Nanoscale Networks and their Applications (CNNA), University of Notre Dame, Notre Dame, IN, USA, Jul 29-31, 2014
- *Continuous-time Neural Networks Without Local Traps for Solving Boolean Satisfiability*, 13th Int. Workshop on Cellular Nanoscale Networks and their Applications (CNNA), Turin, IT, Aug 29-31, 2012

d. Postere

- *CNN computers for solving SAT problems*, IV Summer School on Statistical Physics of Complex and Small Systems (GEFENOL), IFISC, Palma de Mallorca, ES, Sept 8-19, 2014

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