

Dr. Kosmas Kosmidis

Physics Department - Aristotle University of Thessaloniki
University Campus, 54124 Thessaloniki, Greece
Tel: +30-2310-998-658, email: kosmask@auth.gr

1. Professional Experience

2015-today: Special Teaching Personnel (EDIP) at the Physics Department of Aristotle University of Thessaloniki.
2013-2015: Jacobs University Bremen: School of Science and Engineering. Postdoctoral fellow Computational Systems Biology.
2008-13: Aristotle University of Thessaloniki: Computing and Communications Center. Research Associate and Software Engineer.
2006-08: Universität Giessen, Germany. Post-doctoral researcher at the Institut für Theoretische Physik III.
1998-05: Aristotle University of Thessaloniki, Physics Department. Researcher.

2. Education

- Ph.D.in Computational Physics, Physics Department, Aristotle University of Thessaloniki, Greece. Thesis: Random walk applications in Physical Systems. Grade:10/10 Excellent
- MSc in Materials Physics, Aristotle University of Thessaloniki Greece.
- BSc in Physics, Physics Department University of Ioannina Greece.

3. Referee in Peer-review journals

Referee for the following journals: Physical Review E, Physical Review Letters, Physica A, Europhysics Letters, Medical Engineering and Physics, Journal of Statistical Physics-JSTAT, Advances in Complex Systems, Modern Physics Letters B, Physical Review X.

4. Funding

1. NATO, Science for Peace Project: Novel molecular electronics materials with unusual electron and exciton dynamics: 01/07/2002-30/11/2002
2. Greek Secretariat of Research and Technology: IRAKLITOS project Random walks and Physical Systems: 01/10/2003-30/09/2005
3. European Commission: Nest (Pathfinder), STREP project Dynamics of social networks (DYSONET): 01/01/2005-31/10/2005
4. European Commission: GRID computing applications in Physics and Engineering: 01/11/2005-31/03/2006
5. European Commission: Nest (Pathfinder), STREP project Interface Controlled Nucleation and Crystallization for Nanoparticle Synthesis (INTERCONY): 01/01/2008- 30/09/2009 ^[1]_{SEP}
6. European Commission: INTERREG Greece-Bulgaria cooperation for Large Scale Scientific computing ICoSciS: 01/01/2011-31/12/2014.

5. Selected Publications Citations > 1500, h-index=18

2020 Kosmas Kosmidis, Kim Philipp Jablonski, Georgi Muskhelishvili, and Marc-Thorsten Hütt.

Chromosomal origin of replication coordinates logically distinct types of bacterial genetic regulation. *npj Systems Biology and Applications*, 6(1):1–9, 2020.

2011 Li Daqing, Kosmas Kosmidis, Armin Bunde, and Shlomo Havlin. Dimension of spatially embedded networks. *Nature Physics*, 7(6): 481–484, 2011.

2014 N. Bastas, P. Giazitsidis, M. Maragakis, and Kosmidis K. Explosive percolation: Unusual transitions of a simple model. *Physica A*, 407:54–65, 2014.

2011 Nikolaos Bastas, Kosmas Kosmidis, and Panos Argyrakis. Explosive site percolation and finite-size hysteresis. *Physical Review E*, 84(6):066112, 2011.

2008 Kosmas Kosmidis, Shlomo Havlin, and Armin Bunde. Structural properties of spatially embedded networks. *EPL (Europhysics Letters)*, 82(4):48005, 2008.