

Dr. Simon Čopar

Assistant professor at Faculty of Mathematics and Physics, University of Ljubljana.
Researcher in the group Physics of Soft and Partially Ordered Matter at FMF, UNI-LJ.



Education and past positions

- 2009: MSc in Physics at FMF, UNI-LJ
- 2012: PhD in Physics at FMF, UNI-LJ
- 2012 - 2013: Post-doctoral fellow at University of Pennsylvania
- 2013 - 2014: Post-doctoral associate at Jožef Stefan Institute
- 2010 - 2016: Teaching assistant at FMF, UNI-LJ

Research and publications

My main research topic is the theory and numerical modelling of liquid crystals and defects in soft matter. I am experienced in the methods of mathematical physics, computational physics, numerical analysis and topology in physical context. More generally, I am interested in theoretical problems in classical physics and science communication.

Published 35 scientific papers as first author (12) or co-author, including Science, Nature Physics, PNAS, Nature Communications and Physical Review Letters, and a review paper in Physics Reports.

Has 451 pure citations and Hirsch index 11 (Web of Knowledge, November 2017).

Achievements

- 2004: Bronze medal at 35th International Physics Olympiad (Pohang, South Korea)
- 2000 - 2009: National Zois scholarship for gifted students
- 2009: Prešeren award for an outstanding diploma thesis (University of Ljubljana)
- 2014: Jožef Stefan Golden Emblem Prize for an outstanding PhD thesis (Jožef Stefan Institute)
- 2014: Glenn H. Brown Prize (International Liquid Crystal Society)