

Şirag Erkol

CONTACT INFORMATION	Indiana University School of Informatics, Computing, and Engineering Center for Complex Networks and Systems Research 919 E 10 th St, Bloomington, IN 47408, USA	mobile: +1 812 558 8938 serkol@iu.edu siragerkol@gmail.com siragerkol.github.io
EDUCATION	Indiana University , Bloomington, IN <i>Ph.D. in Informatics, Complex Networks and Systems track</i> • Advisor: <i>Assoc. Prof. Filippo Radicchi</i> • Minor: Computer Science Boğaziçi University , Istanbul, Turkey <i>M.S. in Industrial Engineering</i> • Advisor: <i>Assoc. Prof. Gönenç Yücel</i> • Thesis Title: <i>Influence Maximization Based on Partial Network Structure Information: A Comparative Analysis on Seed Selection Heuristics</i> <i>B.S. in Industrial Engineering</i> • Graduation Project: <i>Analyzing Parking Stand Requirements for Istanbul Ataturk Airport</i> Robert College , Istanbul, Turkey	August 2017 – present September 2014 – August 2016 September 2010 – June 2014 September 2005 – June 2010
ACADEMIC EXPERIENCE	Indiana University , Bloomington, IN <i>Research Assistant</i> Boğaziçi University , Istanbul, Turkey <i>Teaching & Research Assistant</i> • Assisted courses: IE 312 - Facilities Design and Planning (Fall 2014, Fall 2015, Fall 2016) IE 350 - Systems Science and Engineering (Spring 2015, Spring 2016) IE 484 - Simulation Gaming and Decision Experimentation (Fall 2016) IE 48F - Agent-Based Modeling and Simulation (Spring 2015, Spring 2016, Spring 2017) IE 550 - Dynamics of Socio-Economic Systems (Fall 2015) • Assistant at Socio-Economic System Dynamics (SESDYN) Laboratory	August 2017 – present October 2014 – August 2017
PUBLICATIONS	Published: Systematic comparison between methods for the detection of influential spreaders in complex networks Ş. Erkol , C. Castellano and F. Radicchi <i>Scientific Reports</i> , 9, 15095 (2019) Influence maximization in noisy networks Ş. Erkol , A. Fageeh and F. Radicchi <i>EPL</i> , 123, 58007 (2018) Influence Maximization Based on Partial Network Structure Information: A Comparative Analysis on Seed Selection Heuristics Ş. Erkol and G. Yücel <i>International Journal of Modern Physics C</i> , 28, 1750122 (2017)	

CONFERENCES

Posters:

Influence maximization in noisy networks
Network Science Conference, Burlington, VT, USA

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COMPUTER SKILLS

Programming Languages: C, Python, R, NetLogo
Others: L^AT_EX, Gephi, Git, Github, Stella

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