Şirag Erkol

CONTACT
INFORMATION

Indiana University
School of Informatics, Computing, and Engineering
Center for Complex Networks and Systems Research
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EDUCATION

Indiana University, Bloomington, IN

Ph.D. in Informatics, Complex Networks and Systems track   **August 2017 – present**
- Advisor: *Assoc. Prof. Filippo Radicchi*
- Minor: Computer Science

Boğaziçi University, Istanbul, Turkey

M.S. in Industrial Engineering   **September 2014 – August 2016**
- Advisor: *Assoc. Prof. Gönenç Yücel*
- Thesis Title: *Influence Maximization Based on Partial Network Structure Information: A Comparative Analysis on Seed Selection Heuristics*

B.S. in Industrial Engineering   **September 2010 – June 2014**
- Graduation Project: *Analyzing Parking Stand Requirements for Istanbul Ataturk Airport*

Robert College, Istanbul, Turkey   **September 2005 – June 2010**

ACADEMIC
EXPERIENCE

Indiana University, Bloomington, IN

Research Assistant   **August 2017 – present**

Boğaziçi University, Istanbul, Turkey

Teaching & Research Assistant   **October 2014 – August 2017**

- 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

PUBLICATIONS

Accepted:

Systematic comparison between methods for the detection of influential spreaders in complex networks
Ş. Erkol, C. Castellano and F. Radicchi

Published:

Influence maximization in noisy networks
Ş. Erkol, A. Faqeeh and F. Radicchi
EPL, 123, 58007 (2018)

Influence Maximization Based on Partial Network Structure Information: A Comparative Analysis on Seed Selection Heuristics
Ş. Erkol and G. Yücel
International Journal of Modern Physics C, 28, 1750122 (2017)

Posters:

Influence maximization in noisy networks   **May 2019**
Network Science Conference, Burlington, VT, USA

Programming Languages: C, Python, R, NetLogo
Others: LaTeX, Gephi, Git, Github, Stella