Ali Khodadadi

Curriculum Vitae

Education

2013–present **Ph.D Student in Computer Engineering**, *Sharif University of Technology*, Tehran, Iran.
Supervisor: Prof. Hamid Reza Rabiee

2010–2012 **M.Sc. in Information Technology Engineering**, *Sharif University of Technology*, Tehran, Iran, *GPA − 18.66/20*.
Thesis Title: *"Sampling from Complex Networks Considering Activity Level of Nodes"*, (20/20).
Supervisor: Dr. M.T.Manzouri

2006–2010 **B.Sc. in Information Technology Engineering**, *Sharif University of Technology*, Tehran, Iran, *GPA − 17.55/20*.
Thesis Title: *"Measurement and Analysis of CE Network Traffic Using SNORT IDS"*, (16/20).
Supervisor: Dr. A.H.Jahangir

Research Interests

Social Network Analysis — User Activity Modeling, Networak Sampling & Measurement, Information Diffusion, Community Detection in Dynamic and Augmented Networks

Multi-Layer Networks — Multi-Layer Networks Metrics, Diffusion over Multi-Layer Networks, Community Detection in Multi-Layer Networks

Big Data — Probabilistic Graphical Models, Bayesian Inference, Large Scale Graph Algorithms, Map Reduce

Awards & Honors

2010 3nd Rank , in Cumulative GPA (**17.55/20**) among more than 35 B.Sc. IT Engineering students of the department, Sharif University of Technology

2010 Awarded Fellowship of Exceptional Talent for the M.Sc. Program in Information Technology Engineering from Computer Engineering Department of Sharif University of Technology

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Sharif University of Technology, Azadi Rd. Tehran, Iran
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2006	Achieving the 400th rank in the National University Entrance Examination for the B.Sc. degree among more than 500,000 participants

Experience

Teaching

Fall 2016	**Teaching Assistant of Stochastic Processes Course**, Sharif University of Technology, M.Sc. Course, (Prof. Hamid R. Rabiee).
Summer 2015	**Teaching Network Laboratory Course**, Sharif University of Technology, B.Sc. Course.
Spring 2015	**Teaching Assistant of Multimedia Course**, Sharif University of Technology, B.Sc. Course, (Prof. Hamid R. Rabiee).
Spring 2015	**Teaching Assistant of Statistical Learning Course**, Sharif University of Technology, M.Sc. Course, (Prof. Hamid R. Rabiee).
Fall 2014	**Teaching Assistant of Stochastic Processes Course**, Sharif University of Technology, M.Sc. Course, (Prof. Hamid R. Rabiee).
Summer 2014	**Teaching Network Laboratory Course**, Sharif University of Technology, B.Sc. Course.
Spring 2014	**Teaching Network Laboratory Course**, Sharif University of Technology, B.Sc. Course.
Spring 2014	**Teaching Assistant of Statistical Pattern Recognition Course**, Sharif University of Technology, M.Sc. Course, (Prof. Hamid R. Rabiee).
Spring 2012	**Teaching Assistant of Multimedia Networks Course**, Sharif University of Technology, M.Sc. Course, (Prof. Hamid R. Rabiee).

Work

2014–present	**Researcher**, *ITC Innovation Center*, Tehran, Iran. Working on diffusion of information, products and rumours over social network.
2013–2014	**3G VAS Consultant**, *Value Added Service Lab*, Tehran, Iran. Worked as a technical consultant for value added services in 3G moblie network. I identified potential services for Fixed telephone and agricultural services.
2011	**Executive Member of 17st National CSI Computer Conference**, *Sharif University of Technology, Computer Engineering department*, Tehran, Iran. Worked as a technical member.

Publications

Published	, A. Fattaholmanan, H. R. Rabiee, P. Siyari, A. Soltani-Farani, and **A. Khodadadi**, "A Peer to Peer Compressive Sensing Framework for Network Monitoring". Communications Letters, IEEE , vol.19, no.1, pp.38,41, Jan. 2015
	, A. Zarezade, **A. Khodadadi**, M. Farajtabar, H. R. Rabiee, L. Song, and H. Zha , "Correlated Cascades: Compete or Cooperate". arXiv, abs/1510.00936, 2015

Submitted	, A. Rajabi, H. R. Rabiee, and **A. Khodadadi**, "LCD-RW: Local Community Detection by Random Walk in Social Networks". Submitted to Knowledge and Information Systems journal, Springer
	, M. Ramezani, H. R. Rabiee, and **A. Khodadadi**, "Community Detection Using Diffusion Information". Submitted to Transactions on Knowledge Discovery from Data journal, ACM
	, M. Ghorbani, H. R. Rabiee, and **A. Khodadadi**, "Bayesian Overlapping Community Detection in Dynamic Networks". Submitted to Proceedings of the VLDB Endowment journal,
	, M. Radmanesh, H. R. Rabiee, and **A. Khodadadi**, "Community Detection in Social Networks Using Node Attributes and Topology of the Network". Submitted to Physica A: Statistical Mechanics and its Applications journal,
In Preparation	, **A. Khodadadi**, H. R. Rabiee, and M. Salehi, "Activity Based Sampling from Social Networks".
	, **A. Khodadadi**, H. R. Rabiee, and A. Hosseini, "Continuous-Time User Activity Modeling over Social Media Considering Badges: A Point Process View".
	, A. Hosseini, **A. Khodadadi**, and H. R. Rabiee , "HNP3: A Hierarchical Nonparametric Point Process for Modelling Content Diffusion Over Social Media".
M.Sc. Thesis	**A. Khodadadi**, *"Sampling from Complex Networks Considering Activity Level of Nodes"*, Information Technology M.Sc. Thesis, Department of Computer Engineering, Sharif University of Technology, 2012(In Persian).
B.Sc. Thesis	**A. Khodadadi**, *"Measurement and Analysis of CE Traffic Using SNORT IDS"*, Information Technology B.Sc. Thesis, Department of Computer Engineering, Sharif University of Technology, 2010(In Persian).

Computer skills

Programming Languages	C, Java, C++, Python, HTML, SQL, Prolog, Matlab, Assembly
Operating System	Microsoft Windows, Linux
Typesetting	MS Office, Open Office, LATEX
Distributed System	Apache Hadoop

Languages

Persian	**Mother tongue**
English	**Intermediate**
Arabic	**Basic**