

## Education

Ph.D. - Computer Science (GPA: 4.0/4.0), UC Santa Barbara, California	Expected: Sept 2020
M.Sc. - Computer Engineering (GPA: 4.0/4.0), Sharif University of Technology, Tehran, Iran	Feb 2014
B.Sc. - Software Engineering (GPA: 3.86/4.0), University of Isfahan, Isfahan, Iran	Jul 2011

## Selected Publications

1. O. Askarisichani, M. Jalili, “ **Large-scale Global Optimization through Consensus of Opinions Over Networks,**” *Journal of the Complex Adaptive Systems Modeling, Springer*, 1(1):11, 2013. [Link](#) [Source](#)
2. SM Hill, LM Heiser, T Cokelear, M Unger, D Carlin, Y Zhang, A Sokolov, E Paull, CK Wong, K Graim, A Bivol, H Wang, F Zhu, B Afsari, LV Danilova, AV Favorov, W Lee, D Taylor, HPN-DREAM Consortium (O. Askarisichani), GB Mills, JW Gray, M Kellen, T Norman, S Friend, EJ Fertig, Y Guan, M Song, J Stuart, H Koeppl, PT Spellman, G Stolovitzky, J Saez-Rodriguez, and S Mukherjee “ **Inferring causal molecular networks: empirical assessment through a community-based effort,** *Nature Methods*, Feb 2016. [Link](#) [Source](#)
3. M. Jalili, O. Askarisichani, Xinghuo Yu “ **Optimal pinning controllability of complex networks: Dependence on network structure,**” *Journal of Physical Review E, (PRE)*, Vol. 91, No. 1, Page 012803, *American Physical Society*, DOI:10.1103/PhysRevE.91.012803, <http://link.aps.org/doi/10.1103/PhysRevE.91.012803>, 2015. [Link](#) [Source](#)
4. O. Askarisichani, M. Jalili, “ **Influence Maximization of Informed Agents in Social Networks,**” *Journal of Applied Mathematics and Computation, (AMC)*, Vol. 254, Pages 229-239, 3/1/2015, *Elsevier*, <http://www.sciencedirect.com/science/article/pii/S0096300314018001>, 2015. [Link](#) [Source](#)
5. A. Fatemi, K. Zamanifar, N. Nematbakhsh, O. Askarisichani, “ **A Team-Based Organizational Model for Adaptive Multi Agent Systems,**” in *3rd International Conference on Agents and Artificial Intelligence, ICAART 2011, Rome, Italy*, Volume 2, No. 297, session 10:30-11:00, 2011. [Link](#) [Source](#)
6. V. Amelkin, O. Askarisichani, Y. J. Kim, A. K. Singh, T. W. Malone, “ **Dynamics of Collective Performance in Collaboration Networks,**” *XXXVI Sunbelt Conference*, [Link](#), page 6, April 2016.

## Awards

Awarded **5 Years Fully-Funded Scholarship & Computer Science Fellowship** in UC Santa Barbara, Sept 2015.  
Ranked **1<sub>st</sub>** in Bio-Informatics HPN-DREAM Consortium Breast Cancer Network Inference Challenge, Feb 2014.  
Awarded a Fully-Funded **Research Scholarship** of Max Planck Institute, Tübingen, Germany, Sept 2013.  
Ranked **1<sub>st</sub>** in B.Sc. within a class of 47, Department of Computer Engineering, Jul 2011.  
Ranked **4<sub>th</sub>** in M.Sc. within a class of 56, Department of Computer Engineering, Feb 2013.  
Awarded **Fellowship of Exceptional Talents** for M.Sc. Program in Sharif University of Technology, Sept 2011.

## Scientific Activities

Reviewer for: Journal of ACM Transactions on Knowledge Discovery from Data — 2014 - Present  
Reviewer for: Journal of Complex Networks, Oxford University Press — 2013 - Present  
Founder of: Java Agent Development Framework (JADE) Facebook Page — 2010 - Present *Elected President*:Scientific Society of University of Isfahan Computer Science Students — 2013  
Researcher in: Isfahan Math House (IMH) — 2010 - 2011

## Skills

*Programming Languages:* **JAVA**, **C++**, **C#**, **MATLAB**, **C**, **Python**, **SQL**, **PL/SQL**, **T-SQL**, **ASP**, **PHP**, **JSP**, **Prolog**, **Ruby**, **Visual Basic**, **Pascal**, **R**.  
*Development Software Packages:* **Microsoft .Net**, **Windows Presentation Framework (WPF)**, **Windows Communication Foundation (WCF)**, **Microsoft Entity Framework**, **JavaFX**, **Hibernate**, **Java Persistence**, **Java JFrame**, **Maven**, **Swing**, **Applet**, **REST**, **JSON**, **JAX-RS**, **C++ Graphical Design with MFC**, **Qt**, **Oracle Development Kit**, **Oracle Form**, **Android Programming**.  
*Programming Paradigms:* **Object-Oriented Programming**, **Agent-Oriented Programming**, **Service-Oriented Programming**.  
*Subversion Softwares:* **Source**, **TortoiseSVN**.  
*Database Management Systems (DBMS):* **Oracle**, **Microsoft SQL(MSSQL)**, **PostgreSQL**, **MySQL**, **Microsoft Access**.  
*Cloud and Parallel Servers:* **Google App Engine Programming**, **Oracle (Sun) Grid Engine**.  
*Deep Learning, Machine Learning and Datamining:* **Big Data Analysis using Google TensorFlow**, **WEKA in JAVA**, **Rapid Miner**, **Clementine**, **Theano**, **Caffee**, and also **fMRI & DTI brain image analysis using FSL** and **DPABI** and experienced programming with **Spark in Hadoop**.  
*Network Science:* **Stanford Network Analysis Project (SNAP)**, **MATLAB BGL**, **Gephi**, **Pajek**, **NodeXL**.  
*Optimization:* **MATLAB CVX**, **Mosek**, **Gurobi**.

*Multi Agent Development: Java Agent Development Framework (JADE)*, Repast Symphony.  
*Operating Systems: Windows, Linux*, Linux Server, Windows Server.

## Work Experience

- University of California at Santa Barbara, CA  
- *Research Assistant* September 2015 – Present
- **Software Architect**  
Hekmat Iranian Bank, Tehran, Iran Jan 2015 - Aug 2015
- **Researcher**  
Max Planck Institute for Intelligent Systems, Empirical Inference Department, Tübingen, Germany Sept 2013 - Jan 2014
- **Intern**  
International Systems Engineering and Automation Company (IRISA) Company, Isfahan, Iran Jun 2011 - Sept 2012
- **Database Consultant**  
Rena Technical Services Company, Karaj, Iran Jul 2011 - Oct 2011

## Notable Projects

- Adaptive Multi Agent System Toolbox [Source](#)  
*Software Designer and Developer* 2009 – 2011
- Software for Traffic Police Law Enforcement Device  
*Software Designer and Developer* 2008 – 2009
- Multi Agent System for City Traffic and Routing Simulation [Source](#)  
*Software Designer and Developer* 2010 – 2011
- Real Estate Management Software [Source](#)  
*Software Designer and Developer* 2009
- Service-Oriented Recommender System Software with Linked-Data Technology [Source](#)  
*Software Designer and Developer* 2010
- Time Series Forecasting in Business Intelligence Software [Source](#)  
*Developer* 2011

## References

- **Ambuj K. Singh**, *Professor and Chair in Computer Science Department, UCSB*, (805) 893 3236, office: 3119 Harold Frank Hall, [ambuj@cs.ucsb.edu](mailto:ambuj@cs.ucsb.edu)
- **Manuel Gomez Rodriguez, PhD**, *Tenure-track Research Group Leader, Max Planck Institute for Software Systems (MPI-SWS)*, +49 (7071) 601 - 541, office: Paul-Ehrlich-Strasse, 67663 Kaiserslautern, DE, [manuelgr@mpi-sws.org](mailto:manuelgr@mpi-sws.org)
- **Mahdi Jalili, PhD**, *ARC DECRA Fellow, Vice-Chancellor's Research Fellow School of Engineering(Electrical and Computer Engineering), RMIT University, Building 10, Level 10, Room 17, GPO Box 2476, Melbourne VIC 3001, Australia*, [mahdi.jalili@rmit.edu.au](mailto:mahdi.jalili@rmit.edu.au)

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