Sajjad Ghobadi

University of Perugia

Education

2023–present **Postdoctoral researcher - University of Perugia**, *Perugia, Italy*.

2018–2023 **Ph.D. in Computer Science - Gran Sasso Science Institute**, *L'Aquila, Italy*.
Thesis Title: "Fairness in Influence Maximization"

2014–2017 **M.Sc. in Computer Science - Institute for Advanced Studies in Basic Sciences**, *Zanjan, Iran*.
Thesis Title: "Hole Detection and Healing in Hybrid Sensor Networks"

2010–2014 **B.Sc in Computer Science - University of Tabriz**, *Tabriz, Iran*.

Research Interests

Combinatorial Optimization

Approximation Algorithms

Social Networks

Algorithmic Fairness

Teaching Experience

Winter 2016 **Teacher Assistant**, *Institute for Advanced Studies in Basic Sciences*, Zanjan, Iran.
Introduction to Algorithms

Awards, Grants & Honours

AAMAS 2021 student scholarship

AAAI 2023 student scholarship

Skills

Programming and Markup Languages: C++, Python, LaTeX

Languages

Azeri: Mother tongue

English: Advanced

Persian: Native

Research & Instructive Experience

Reviewer of the journal of IEEE Transactions on Mobile Computing

Reviewer of the journal of Supercomputing

May 2021 Participating in International Conference on Autonomous Agents and Multiagent Systems, Virtual conference

Feb. 2021 Participating in 35th AAAI Conference on Artificial Intelligence, Virtual conference

2014-2017 Robotic and Computational Geometry Laboratory (Robo-CG)- Institute for Advanced Studies in Basic Sciences, Zanjan, Iran

Feb. 2016 Participating in 8th Winter School on Computational Geometry - Amirkabir University of Technology, Tehran, Iran

Mar. 2015 Participating in 7th Winter School on Computational Geometry - Amirkabir University of Technology, Tehran, Iran

Subreviewer of the International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2023)

Subreviewer of the SIGKDD Conference on Knowledge Discovery and Data Mining (SIGKDD 2022)

Subreviewer of the International Conference on Contemporary Issues in Data Science (CiDaS19)

Publications

- Ghobadi, S., Pinotti, C. Dispatching the Minimum Number of UAVs in Neighborhood IoT Networks. Submitted to ALGOWIN 2023.
- Becker, R., D'Angelo, G., Ghobadi, S. (2023). On the Cost of Demographic Parity in Influence Maximization. *Proceedings of the AAAI Conference on Artificial Intelligence*, 37(12), 14110-14118.
- Becker, R., D'Angelo, G., Ghobadi, S. (2023). Improving Fairness in Information Exposure by Adding Links. *Proceedings of the AAAI Conference on Artificial Intelligence*, 37(12), 14119-14126.
- Becker, R., D'Angelo, G., Ghobadi, S., and Gilbert, H. (2022). Fairness in influence maximization through randomization. *Journal of Artificial Intelligence Research*, 73, 1251-1283.
- Becker, R., D'Angelo, G., Ghobadi, S., and Gilbert, H. (2021). Fairness in Influence Maximization through Randomization. In *Thirty-Fifth AAAI Conference on Artificial Intelligence, AAAI* 2021.
- Davoodi, M., Delfaraz, E., Ghobadi, S., and Masoori, M. (2021). Multi-robot exploration on grids with a bounded time. *Scientia Iranica*, 28(Special issue on collective behavior of nonlinear dynamical networks), 1515-1528.
- Davoodi, M., Delfaraz, E., Ghobadi, S., and Masoori, M. (2019). Algorithms for Handoff Minimization in Wireless Networks. *Journal of Computer Science and Technology*, 34(4), 887-900.
- Davoodi, M., Delfaraz, E., Ghobadi, S., and Masoori, M. (2021). Hole Detection and Healing in Hybrid Sensor Networks. *arXiv preprint arXiv*:2106.10659.