



دکتر حمیدرضا کوهی

استادیار گروه مهندسی کامپیوتر

معاون آموزشی و تحصیلات تکمیلی

تلفن: +98 11 4420 3748 فکس: +98 11 4420 3755

ایمیل: h.r.koohi@gmail.com, koohi@shomal.ac.ir

آدرس: آمل، کیلومتر 5 جاده هراز، دانشگاه شمال، کدپستی 4616184596

Hamidreza Koohi (Ph.D.)

Assistant Professor of Computer Engineering Department.

Vice Chancellor in Education and Post Graduate Studies.

Tel: +98 11 4420 3748

Fax: +98 11 4420 3755

Email: [h.r.koohi@gmail.com](mailto:h.r.koohi@gmail.com), [koohi@shomal.ac.ir](mailto:koohi@shomal.ac.ir)

Address: P.O. Box 4616184596, Shomal University, Amol, Iran.

[Google Scholar](#),

[LinkedIn](#)

## Education

2013-2017: Semnan University; Ph.D. in Computer Engineering, Artificial Intelligence.

2004-2006: Qazvin Azad University; MS in Mechatronics Engineering, Robotics.

1999-2003: Shomal University; BS in Computer Engineering, Software.

## Publications (Just Journal Papers are listed)

- Reza Barzegar Nozari, Hamidreza Koohi, “Novel Implicit-Trust-Network-based Recommendation Methodology”, Expert System with Applications, Vol 186, June 2021, p. 115709, 2021, <https://doi.org/10.1016/j.eswa.2021.115709>
- Reza Barzegar Nozari, Hamidreza Koohi, “A Novel Group Recommender System based on Members' Influence and Leader Impact”, Knowledge-Based Systems., Vol. 205, p. 106296, 2020. [DOI: 10.1016/j.knosys.2020.106296](https://doi.org/10.1016/j.knosys.2020.106296).

- Hamidreza Koochi, Kourosh Kiani, “Two New Collaborative Filtering Approaches to Solve the Sparsity Problem”, Cluster Computing, Vol. 24, pp. 753-765, 2020. <https://doi.org/10.1007/s10586-020-03155-6>
- Reza Barzegar Nozari, Hamidreza Koochi, Emad Mahmodi, “A novel trust computation method based on user ratings to improve the recommendation”, International Journal of Engineering (IJE), IJE TRANSACTIONS C: Aspects Vol. 33, No. 3, pp. 377-386, 2020. [DOI: 10.5829/ije.2020.33.03c.02](https://doi.org/10.5829/ije.2020.33.03c.02)
- Hamidreza Koochi, Koroush Kiani, “A New Method to find Neighbor Users that Improves the Performance of Collaborative Filtering”, Expert Systems with Applications, vol. 83, pp. 30–39, 2017. [DOI: 10.1016/j.eswa.2017.04.027](https://doi.org/10.1016/j.eswa.2017.04.027)
- Hamidreza Koochi, Koroush Kiani, “User Based Collaborative Filtering using Fuzzy C-Means”, Measurement. vol. 91, no. May, pp. 134–139, 2016. [DOI: 10.1016/j.measurement.2016.05.058](https://doi.org/10.1016/j.measurement.2016.05.058)
- Farzin Yaghmaee, Hamidreza Koochi, "Dynamic Obstacle Avoidance by Distributed Algorithm based on Reinforcement Learning", International Journal of Engineering (IJE), Transaction B: Applications, Vol. 28, No. 2, pp. 198-205, 2015. [DOI: 10.5829/dosi.ije.2015.28.02b.05](https://doi.org/10.5829/dosi.ije.2015.28.02b.05).
- Hamidreza Koochi, Ehsan Nadernejad, Mahmoud Fathi, “Employing the Sensor Network for Guiding Firefighters in Dangerous Area”, International Journal of Engineering (IJE), [Vol. 23, No. 2, pp. 191-202, 2010](https://doi.org/10.5829/ije.2010.23.02.191).
- Ehsan Nadernejad, Hamidreza Koochi, Hamid Hassanpour; “PDEs-Based Method for Image Enhancement”, Applied Mathematical Sciences, [Vol. 2, no. 20, pp. 981 – 993, 2008](https://doi.org/10.5829/ije.2008.2.20.981).
- M. Mohammadzaheri, A. Mirsepahi, O. Asef-afshar, H.r. Koochi; "Neuro-fuzzy Modeling of Superheating System of a Steam Power Plant", Applied Mathematical Science, [Vol 1, no. 42, pp. 2091-2099, 2007](https://doi.org/10.5829/ije.2007.1.42.2091).

## Research Interests

- Big Data
- Recommender Systems
- Data Mining
- Deep Learning

## Experiences

- Faculty member of Computer Engineering Department at Shomal University (2005 up to now).
- Member of the Board of Trustees of Shomal University (2019 up to now).
- Vice Chancellor for Education and Post Graduate Studies at Shomal University (2015 up to now).

Responsible for the Strategic Development, Management, Hiring Lecturers.  
Responsible for managing educational affairs of 7000+ students, 23000+ alumni and 470+ Academic Staff and Developing New Programs of study.  
Led 40% to grow in graduate and undergraduate programs.  
Head of Educational Commission of the University.  
Member of Commission of Students with Special Case.  
Member of Research Council of the University  
Member and Secretary of the University Council.  
Head of setting up a committee for Virtual Training.  
Setting up the Lecturer Recruitment Board of the University.

- Setting up the Lecturer Recruitment Board of the University (2015 up to now).
- Director of Main Educational affairs Department at Shomal University (2008-2013).

Responsible for managing educational affairs of 7000+ students and 470+ Academic Staff.  
Member and Secretary of Educational Commission of the University.  
Member of Commission of Students with Special Case.

- Member of Commission of Students with Special Case (2008 up to now).
- Member of Educational Commission (2008 up to now).
- Member of Research Council of the University (2015 up to now).
- Member and Secretary of the University Council (2015 up to now).
- Guest Lecturer of Computer Software Engineering Department at Azad University of Amol; "P.O. Box 678, Azad University of Amol, University Off Road, Old Amol-Babol Road, Amol, Iran" (2005-2009).
- Member of the Electronic Government Commission at the Amol Government.
- Director of Tabarestane-Sabz IT Company, The first host of ICP in Mazandaran.

- Project Managing Coordinator with Amolnet Company (2004).
- Have worked in two Robotics Groups for International Competition: Sweeper Robot (Designed to find specific objects and put them in the specific Containers), 2004, and RoboPing (Designed to play Ping Pong) 2005.

## Teaching Courses

Undergraduate at Computer Engineering Department, Shomal University

- Data Structure (Sep. 2005 - Present)
- Programming (Sep. 2005 - Present)
- Formal Languages and Automata (Sep. 2005 - Present)

Undergraduate at Computer Engineering Department, Islamic Azad University - Amol

- Data Structure (Sep. 2005 - Jun. 2008)
- Programming (Sep. 2005 - Present)

Master at Computer Engineering Department, Shomal University

- Digital Image Processing (Sep. 2015 - Present)
- Machine Learning (Sep. 2015 - Present)
- Data Mining, (Sep. 2015 - Present)

Master at Computer Engineering Department, Aryan Institute of Science and Technology

- Machine Learning (Sep. 2015 - Present)

## Professional Services

- Dec. 2017 – Present, Editorial Review Board of **Measurement Journal** (Elsevier)

- Sep. 2018 – Present, Editorial Review Board of **Supercomputing Journal** (Springer)
- Aug. 2018 – Present, Editorial Review Board of **IEEE Access Journal**
- Mar. 2019 – Present, Editorial Review Board of **Information Journal** (MDPI)
- Sep. 2019 – Present, Editorial Review Board of **PLOS ONE Journal**
- Oct. 2019 – Present, Editorial Review Board of **International Journal of Engineering**
- Dec. 2019 – Present, Editorial Review Board of **Journal of AI and Data Mining**