

**Hamid R. Rabiee, Ph.D.**

Distinguished Professor, Department of Computer Engineering (AI Group)

Director, Data Science - AI Innovation Center

Sharif University of Technology

Member of the Iran Academy of Sciences (Quantum and AI Group)

Consultant, World Health Organization (WHO)

Member, International Federation for Information Processing (IFIP)

Senior Member, IEEE

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Profile

A professional with over thirty-five years of academic, research, and industrial experience in the US, Europe, and Iran. An academic researcher and industry leader who emphasizes quality and teamwork. He has initiated and led national and international projects in information and communication technology (ICT) and artificial intelligence (AI). Besides publishing more than 250 manuscripts in the world's leading journals, conferences, and companies, he has led the design and production of many High-Tech ICT and AI products worldwide. He has also founded numerous research laboratories and successful High-Tech start-up companies in ICT and AI as an entrepreneur.

He received his BS and MS degrees (with Great Distinction) in Electrical Engineering from CSULB, Long Beach, CA, USA (1987, 1989), his EEE degree in Electrical and Computer Engineering from USC, Los Angeles, CA, USA (1991), and his Ph.D. in Electrical and Computer Engineering from Purdue University, West Lafayette, IN, USA (1996). From 1993 to 1996, he was a Member of the Technical Staff at AT&T Bell Laboratories. From 1996 to 1999, he worked as a Senior Software Engineer at Intel Corporation. He was also an adjunct professor of Electrical and Computer Engineering at PSU, OGI, and OSU from 1996 to 2000. Since September 2000, he has been affiliated with Sharif University of Technology, Tehran, Iran. He was also a visiting professor at Imperial College London for the 2017-2019 academic year. He is the founder of Sharif University's Advanced Information and Communication Technology Research Institute (AICT), Advanced Technologies Incubator (SATI), ICT Innovation Center (ICTIC), AI Innovation Center (AI2C), Data Science & Machine Learning Laboratory (DML), Mobile Value Added Services Laboratory (VASL), Bioinformatics and Computational Biology Laboratory (BCB) and Cognitive Neuro-engineering Research Center. He is currently a Distinguished Professor of Computer Engineering at the Sharif University of Technology and Director of the Data Science and AI Innovation Center and DML. He has initiated and directed numerous national and international projects within Iran's National ICT Development Plan and the UNDP International Open Source Network (IOSN). He is also a member of the Iranian Academy of Sciences, a member of IFIP Working Group 10.3 on Concurrent Systems, a Senior Member of the IEEE, and a consultant to the WHO Health Expert Group. He has received numerous awards and honors for his contributions to industry, science, and academia. He has served as chairman of numerous national and international conferences and holds three patents.

His research interests include AI, statistical machine learning, Bayesian statistics, data analytics, and complex networks, which have applications in social networks, multimedia systems, cloud and IoT privacy, bioinformatics, and brain networks.

Core Competencies

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|--------------------------|--------------------------|-------------------------------|
| ➤ Research & Development | ➤ International Level PM | ➤ Cloud Computing |
| ➤ Academics & Training | ➤ Big Data Analytics | ➤ Multimedia & IoT |
| ➤ Entrepreneur | ➤ Machine Learning & AI | ➤ Software Engineering & FOSS |

Education

Ph.D. (1996)	Purdue University, W. Lafayette, IN, USA Electrical & Computer Engineering <i>Thesis:</i> Adaptive Multiresolution Image/Video Compression and Pre/Post-Processing of Images and Video Streams <i>Advisors:</i> R.L. Kashyap, J. Allebach, S. Gelfand, and J. Berger
EEE (1993)	University of Southern California (USC), Los Angeles, USA Professional Engineering Degree, GPA: 4.0/4.0 <i>Focus:</i> Image Processing & Computer Vision
MSEE (1989)	California State University at Long Beach, USA Electrical Engineering (<i>With Honors</i>), GPA: 4.0/4.0 <i>Focus:</i> Signal Processing & Filter Design
BSEE (1987)	BSEE California State University at Long Beach, USA Electrical Engineering (<i>With Great Distinction</i>) GPA: 3.9/4.0

Selected Research & Technology Grants

I have received over \$65 million in grants and completed more than 125 projects over the past 24 years at Sharif University of Technology. I have also been involved in many international projects at AT&T Bell Labs and Intel Corporation. Some of my selected research, technology grants, and industrial contracts are listed below.

- Design and Implementation of the National AI Platform (2024-2025)
- Design and Implementation of Iran Digital Marketplace (2023)
- Design of Iran National Cadaster System (2021-2022)
- AI Opportunities and Challenges in Iran, UNESCO (2021)
- Design and Implementation of Drug Tracking and Prescription System in Drug Stores (2021-2022)
- Iran NSF 5-Year Grant on Cancer Detection and Personalized Medicine (2017-2022)
- Design and Implementation of COVID-19 Detection System via Explainable AI (2020)
- Team member of the Iran National Parkinson Project via DopaCell Transplantation (2020-2022)
- BMBF Grant on DBS Treatment of Parkinson's Jointly with the University of Düsseldorf (2019-2021)
- Design and Implementation of 3D Bio-printer (2019-2020)
- Design of a Digital Service Cloud Platform for National Services (2019-2021)
- Design and Implementation of the National Fuel Card System Using Bank Cards (2019)
- Design and Implementation of ML and AI as a service platform (2019-2020)
- ISTI Grant for Research in Computational Neuroscience and Cognitive Science (2018-2020)
- Design and Implementation of Intelligent Big Data Analytics as a Service Platform (2018-2020)
- Design and Implementation of National m-Government Platform (2017-2019)
- Design and Implementation of Enterprise-grade Storage Systems (2017-2019)
- Design and Implementation of IoT Platforms and Solutions (2016-2017)
- Design and Implementation of Innovative Cloud Infrastructures based on OpenStack (2014)
- Object Recognition and Tracking in Video Sequences (2012)
- Modeling and Analysis of Social Networks with Machine Learning Algorithms (2010-2012)
- Design and Implementation of MCI (#1 Mobile Operator in the Middle East) SDP (2010-2011)

- Design of MCI National IP Network (2008)
- Conceptual Model of National Information System Based on Cloud Computing (2006)
- Estimating Depth of Anesthesia Using EEG Signals During Operation (2006)
- The National Intranet and IDC Topology & Standards (2005)
- Principal Consultant for the National Fuel Smart Card Project (2004-2014)
- Scalable & Error Resilience Video Coding, VoD, and IPTV Systems (2002-2003)
- The National Free/Open Source (FOSS) Project (2001-2005)

Recent Technology Developments & Startups

- AI-Based (Interpretable ML) platform for Medical Diagnosis (including Covid-19 Detection System based on X-ray and CT-Scan).
- Big Data Analytics Platform for Food and Health (HealthCloud), partly noted by MIT Technology Review: How Data Mining Reveals the World's Healthiest Cuisines.
- WizeAnalytics: An Intelligent Big Data Analytics & AI Platform.
- Design and Implementation of Enterprise-grade Storage Systems (Co-PI): SAB100-SE, ICT Innovation Center, Sharif University of Technology (PARSA Co.), 3-year turnover of \$40 Million.
- Design and Implementation of Enterprise-grade Mobile SDP (120K mps, serving more than 50 Million Clients) and mBaaS platforms.
- Design and Implementation of Mobile VAS Platform, serving more than 50 million clients, 150 companies, with a turnover of USD 3 billion in 10 years for MCI Mobile Operator.

Experience

Sharif University of Technology (2000-now)	the Department of Computer Engineering <i>Distinguished Professor:</i> Teaching graduate and undergraduate courses & supervising graduate students. Founder and Director of Digital Media Lab (DML) and Mobile Value Added Services Lab (M-VASL).
WHO Consultant and expert Member (2019-2024)	<i>Consultant and Expert member:</i> Assessing HIS systems and working on the implications of Ethical AI in future digital health.
Data Science and AI Innovation Center (2020-now)	<i>Co-Founder & Director:</i> Acting as a hub for research, development, and implementation of cutting-edge artificial intelligence technologies, fostering collaboration, innovation, and real-world applications.
Advanced ICT Research Institute (AICT) (2001-2024)	<i>Founder & Director:</i> Supervising research and development on ICT Technologies and solutions, including multimedia systems, enterprise storage systems, cloud platforms, security systems, DNA sequencing, big data analytics, mobile services, & free/open-source software, and e-services.
VAS Laboratory (VASL) (2007-2024)	<i>Founder & Director:</i> Conducting research and development on cutting-edge technologies related to mobile Digital Services.
Imperial College of London (2017 - 2019)	School of Electrical Engineering & Dyson Center <i>Visiting Professor of EE:</i> Did research on the DataBox Project.
UNB, Canada (2007 – 2011)	School of Computer Science <i>Adjunct Professor of CS:</i> Co-supervised graduate students.

**Iran Telecommunications
Research Center (ITRC)
(2005-2007)**

Director of IT & Scientific Relations: Planned and conducted research on Advanced ICT fields and managed international and national scientific relations.

**Sharif Advanced
Technologies Incubator
(2003-2005)**

Founder & Director: promoted entrepreneurship on advanced ICT products and services for talented university students. Supported the formation of 500 startup companies In the past 20 years.

**Intel Corporation,
Hillsboro, OR, USA
(1996-1999)**

Media & Interconnect Technology Lab.
Senior Software Engineer: Designed and implemented state-of-the-art video algorithms and world-class CODECs (Indeo, DV & H.263++) for video compression/transmission over the Internet. Designed algorithms for Internet-based multimedia services.

**AT&T Bell Labs.
(Lucent), USA
(1993-1996)**

Technology Planning, Broadband Interactive Multimedia Systems
Member of Technical Staff: Investigated Multimedia applications over ISDN-BRI, B-ISDN and Internet. Designed error concealment algorithms for H.261/H.262 applications over ATM. Investigated the use of MPEG-2 for Video Telephony (VT) applications. Investigated the effects of BCH forward error correction in H.261-VT applications. Evaluated Video Conferencing Technologies. Investigated optimal parameters for H.261/H.262 Video Compression. Designed algorithms for Picture in Picture (PIP) in Multimedia applications. Developed pre/post-processing algorithms for compressed video streams.

**Portland State University
Portland, USA
(1996 – 2001)**

Department of Electrical & Computer Engineering
Adjunct Professor: Teaching graduate courses on Digital Signal and Image Processing, Computer Networks, Advanced DSP, Advanced Communication, and supervising Ph.D. and Master students.

**Oregon State University
Corvallis, USA
(1996 – 2000)**

Department of Electrical & Computer Engineering
Adjunct Professor: Teaching graduate courses on Digital Signal and Image Processing, Computer Networks, Advanced DSP.

**OGI
Hillsboro, USA
(1998 – 2001)**

Department of Electrical & Computer Engineering
Adjunct Professor: Teaching graduate courses on Digital Image and Video Processing.

**PortNet Multimedia
Portland, USA
(1998 – 2002)**

An Internet Solution Company
Founder & President: Managed development of multimedia, e-business, e-learning solutions for future interactive applications over the Internet. We also offered web design, web hosting, server co-location, e-commerce solutions, consulting on multimedia applications, software design, and networking.

**Purdue University
West Lafayette, USA
(1991-1996)**

Department of Electrical & Computer Engineering
Research Assistant: Developed multiresolution algorithms for image and video compression. Developed robust nonlinear filters for image processing applications.

**Purdue University
West Lafayette, USA
(1993 – 1996)**

Department of Mathematics
Teaching Assistant: Lectured college Linear Algebra courses. Collaborated with the faculty and staff to improve the quality of instruction for undergraduate mathematics courses.

ICN Co. Pasadena, USA (1990-1991)	Algorithm Design & Implementation <i>Design Engineer:</i> Designed an adaptive echo canceller using TMS320C25 DSP and designed lattice structure filters for real-time image processing.
CSULB Long Beach, USA (1988-1989)	Department of Electrical Engineering, Image Processing Lab. <i>Teaching Assistant:</i> Supervised the development of an interactive software package for image enhancement, restoration, and compression on personal computers. Designed real-time image processing algorithms for the ITI-151 IP system.
American Telecom. Anaheim, USA (1984-1985)	<i>Test Engineer:</i> Performed test and analysis of digital FIR and IIR filters. Evaluated the performance of communication boards and electronics components.

Executive Activities

- Expert Member of the National AI Technology Development and Application Committee (2025 – Now)
- Member of the Iran Academy of Sciences (2023 – Now)
- Member of AI Think-Tank Group, Iran Academy of Sciences (2022 – Now)
- Member of Digital Health Committee, Iran Academy of Medical Sciences (2021- Now)
- Member of AI-Experts Committee, MSRT (2021- Now)
- Member of the Recruitment Executive Board, Sharif University of Technology (2020- Now)
- Member of the Strategic Committee Board, Sharif University of Technology (2014- Now)
- Director of ICT Scientific Committee, International Mustafa Prize (PBUH) (2014- Now)
- Member of Scientific Committee, Iran National Science Foundation (INSF) (2017-2020)
- Member of the Board of Referees, Farabi International Award (2012- Now)
- Member of The Academic Audit Board, Sharif University of Technology (2012- Now)
- Head of IT Group, CE Department, Sharif University of Technology (2011-2015)
- Expert Member of the Ministry of ICT Strategic Advisory Group (2011-2017)
- Member of IFIP Working Group 10.3 on Concurrent Systems (2009- Now)
- Director of Information Technology Group, Education Deputy of MSRT (2009-2010)
- Member of the Supreme Council of Information Technology (2006- Now)
- Senior Advisor of Information Technology, Parliament (2005-2011)
- Senior Advisor of Information Technology, National Library of Iran (2001-2005)
- Expert Member of the Expediency Council on ICT (2007- Now)
- Founder, Director of Advanced ICT Research Institute (AICT), Sharif University (2001- Now)
- Director of IT & Scientific Relations, ITRC Research Center (2005-2007)
- Founder and Director of Sharif Advanced Technologies Incubator (2003-2005)
- Member of the Supreme Technology and Research Committee, Ministry of Science (2002-2003)

Editorial Services & TPC

- Member of The Editorial Board of Social Network Analysis and Mining, Springer (2016- Now)
- TPC member for the International Conference on Machine Learning (ICML)
- TPC member for Neural Information Processing Systems (NIPS)
- TPC member, AAAI conference (AAAI)
- TPC member, IEEE Int. Conf. on Image Processing (ICIP)
- TPC member, IEEE Int. Conf. on Acoustics, Speech and Signal Processing (ICASSP)
- TPC Member, IEEE Wireless Communications and Networking Conference (WCNC)
- TPC Member, IEEE/ACM Int. Conf. on Advances in Social Networks Analysis and Mining (ASNA)
- TPC Member, European Signal Processing Conference (EUSIPCO)
- Reviewer for IEEE Transactions on Image Processing

- Reviewer for IEEE Signal Processing Letters
- Reviewer for IEEE Circuit and Systems for Video Technology
- Reviewer for IEEE Transactions on TGRS
- Reviewer for Elsevier Computer Communications Journal
- Reviewer for IEEE Transactions on PAMI
- Reviewer for IEEE Access
- General Chair of The 22nd Iranian Computer Society Conference, Tehran, Iran, 2017
- Scientific Chair of the AISP 2011 International Conference, Tehran, Iran, 2011
- General Chair of the 15th Iranian Electrical Engineering Conference, Tehran, Iran, 2007
- Scientific Chair of the Second E-Learning Conference, Tehran, Iran, 2005
- General Chair of The 9th Iranian Computer Society Conference, Tehran, Iran, 2004
- General Chair of The 1st Eurasian Conference on Advances in ICT, Shiraz, Iran, 2001

Patents

- Spatial Error Concealment for Image Processing (with H. Radha), Lucent Technologies (AT&T Bell Labs), US Patent Number 6134352.
- Device and Method for Centralized Processing of Picture-in-Picture Images (with R. Coutinho, J. Dale, H. Radha), Lucent Technologies (AT&T Bell Labs), US Patent Number 5,808,659.
- System and Method for Rapid Acute Ischemic Stroke Diagnosis and Treatment Recommendation using Multi-Modal Artificial Intelligence (Hamid R. Rabiee with Ehsan Sharifipour), US Provisional Patent, 63/754,670 (2025).
- Apparatus for Estimating Depth of Anesthesia During Surgery (with P. Gifani, S.M. Golpayegani, S. Momenzadeh, M. Ghanbari), SUT, IRI Patent Number 42392.

Honors & Awards

- The Allameh Tabatabaee Distinguished National Scientist Award (2025)
- The Distinguished Engineer of Electrical and Computer Engineering, Iran Academy of Sciences (2024)
- Sharif University Top Technologist Professor Award (2024)
- The Best National Scientist with Outstanding Social and Industrial Impact, MSRT (2024)
- Ranked "Top-10" among 500+ faculties, Sharif University of Technology (2024)
- Ranked "Top-10" among 500+ faculties, Sharif University of Technology (2023)
- The National Distinguished Professor of Computer Engineering, MSRT (2022)
- The Best National Scientist with Outstanding Social and Industrial Impact, MSRT (2022)
- The Best Researcher of The Department of Computer Engineering, SUT (2022)
- Ranked "Top-10" among 500+ faculties, Sharif University of Technology (2022)
- The Best Sharif University Researcher (Based on the Sharif Research Index) (2021)
- Ranked "Top-10" among 500+ faculties, Sharif University of Technology (2021)
- Research Award for Design of AI-Based COVID-19 Detection System, SUT (2020)
- Ranked "Top-10" among 500+ faculties, Sharif University of Technology (2020)
- Ranked "Top-10" among 500+ faculties, Sharif University of Technology (2019)
- The National Outstanding Technology Award, Ministry of Science, Research & Technology (2018)
- Ranked "Top-10" among 500+ faculties, Sharif University of Technology (2018)
- The Best Technology Center Award, Sharif University of Technology (2017)
- Ranked "Top-10" among 500+ faculties, Sharif University of Technology (2017)
- The Best Research Center Award, Sharif University of Technology (2016)
- Ranked "Top-10" among 500+ faculties, Sharif University of Technology (2016)
- The Best Researcher Award, Sharif University of Technology (2015)
- The Best National Research Center Ministry of Science, Research and Technology Award (2013)
- The Best IT Professor & IT Innovator National Award, 2nd National ICT Festival (2012)

- The Best Researcher Award (Industrial Projects), Sharif University of Technology (2012)
- The National Cultural Activities Award, Ministry of Culture & Islamic Guidance Award (2012)
- The Best Researcher Award (Industrial Projects), Sharif University of Technology (2010)
- The Best Applied Researcher Award, Sharif University of Technology (2009)
- The Best Innovative ICT Award, Ministry of Science, Research and Technology Award (2009)
- The Best MS Thesis Award, AmirKabir University of Technology (2007)
- The Best Applied Researcher Award, Sharif University of Technology (2003)
- The Best Applied Researcher Award, Sharif University of Technology (2001)
- IAL Video Codec Design Award for Indeo© 5.0, Intel Corp., USA (1997)
- Excellence in Teaching Award, Purdue University, USA (1995-1996)
- Research Assistantship Award, Purdue University, USA (1992-1996)
- Teacher Assistantship Award, Purdue University, USA (1993-1996)
- AT&T Diversity Award, USA (1993-1994)
- MSEE with Highest Honors, CSULB, USA (1989)
- BSEE with Great Distinction, CSULB, USA (1987)
- NSPE, and Golden Key National Honor Society Award, USA (1986)
- Distinguished Student of Mathematics Award, Cerritos College, USA (1984-1985)

Ph.D. Students Supervised

- Mohammad Khansari (Ph.D., Associate Professor, University of Tehran, Vice-Minister and Director of IT-Organization, Ministry of ICT, Tehran, Iran)
- Behzad Akbari (Ph.D., Associate Professor, Tarbiat Modares University, Vice-Minister and Director of IR Infrastructure Company, Ministry of ICT, Tehran, Iran)
- Mahdi Amiri (Ph.D., Research Staff, AICT Research Institute, Tehran, Iran & CellVision Sweden)
- Mohammad Hossein Rohban (Ph.D., Associate Professor, Sharif University of Technology, Iran)
- Mostafa Salehi (Ph.D., Associate Professor, University of Tehran, Tehran, Iran)
- Jafar Muhammadi (Ph.D., AICT Research Institute, Founder & Director of dongi.ir, Tehran, Iran)
- Ali Soltani-Farani (Ph.D., Co-Founder and CEO of Pegah Co., Tehran, Iran)
- Seyyed Abbas Hosseini (Ph.D., Assistant Professor, Sharif University of Technology, Co-Founder and CTO of Pegah Co.)
- Ali Khodadadi (Ph.D. Data Scientist, Pegah Co., Tehran, Iran)
- Seyyed Ali Osia (Ph.D., Data Scientist, CTO, Innobrain.se, Tehran, Iran)
- Ali Zarezade (Ph.D., Postdoc, Max Planck Institute, Germany, AI Scientist, Yekta Co., Tehran, Iran)
- Elham Jabalbarez (Ph.D., Jointly with HKUST, Research Fellow, Purdue University, USA)
- Mahsa Ghorbani (Ph.D., Visiting Researcher, TUM, Germany)
- Amir Najafi (Ph.D., Assistant Professor, Sharif University of Technology, Tehran, Iran)
- Seyyede Fatemeh Seyyedsalehi (Ph.D., Assistant Prof., Sharif University of Technology, Tehran, Iran)
- Narges Karimi (Jointly with Nima Valibeig) (Ph.D. Candidate, Honar University, Isfahan, Iran)
- Faezeh Faez (Ph.D., Data Scientist, Huawei Technologies Canada)
- Zahra Rahaei (Ph.D., Sharif University of Technology, Tehran, Iran)
- Maryam Ramezani (Ph.D., PostDoc, Sharif University of Technology, Tehran, Iran)
- Rassa Ghavami (Ph.D. Candidate, Sharif University of Technology, Tehran, Iran)
- Mohammad Ostadmohammadi (Ph.D. Candidate, Sharif University of Technology, Tehran, Iran)
- Mina Rafiei (Ph.D. Candidate, Sharif University of Technology, Tehran, Iran)
- Gita Sarafranz (Ph.D. Candidate, Sharif University of Technology, Tehran, Iran)
- S. Mohammad Javad Feyabadi Sani (Ph.D. Candidate, Sharif University of Technology, Tehran, Iran)
- Armin Benamnia (Ph.D. Candidate, Sharif University of Technology, Tehran, Iran)
- Zahra Dehghanian (Ph.D. Candidate, Sharif University of Technology, Tehran, Iran)
- Fatemeh Saligheh (Ph.D. Candidate, Sharif University of Technology, Tehran, Iran)
- Morteza Abolghasemi (Ph.D. Candidate, Sharif University of Technology, Tehran, Iran)
- Hossein Azizi-Naghsh (Ph.D. Candidate, Sharif University of Technology, Tehran, Iran)

- Mahdi Mastani (Ph.D. Candidate, Sharif University of Technology, Tehran, Iran)
- Mahta Fetrat (Ph.D. Candidate, Sharif University of Technology, Tehran, Iran)

Publications

➤ Books & Book Chapters

- [1]. Rassa Ghavami Modegh, Ahmad Salimi, Sepehr Ilami, Amir H. Dehqan, Hamed Dashti, Shaghayegh Haghjooy Javanmard, Hossein Ghanaati, Hamid R. Rabiee, COVID-19 Diagnosis with Artificial Intelligence (Chapter 17), The Science behind the COVID Pandemic and Healthcare Technology Solutions, Springer Nature, ISBN: 978-3-031-10030-7, 2022.
- [2]. Hamid R. Rabiee, E-Government, The German Experience, ISBN:964-92382-4-7, 2004.
- [3]. M. Khansari and Hamid R. Rabiee, An Introduction to Free and Open Source Software, ISBN: 964-96535-0-3, 2005.
- [4]. Mohammad Khansari, Hamid. R. Rabiee, Free/Open Source Software Licenses, ISBN: 964-96535-9-7, 2006.

➤ Conference & Journal Papers & Technical Reports

- [1]. Elham Abolhasani, Maryam Ramezani, Hamid R. Rabiee, “Teacher-Student Structure for Domain Adaptation in Ensemble Audio-Visual Video Deepfake Detection,” IEEE Transactions on Artificial Intelligence, 2026.
- [2]. Ali Derakhshesh, Zahra Dehghanian, Reza Ebrahimpour, Hamid R. Rabiee, “Cueless EEG Imagined Speech for Subject Identification: Dataset and Benchmarks,” IEEE Transactions on Biometrics, Behavior, And Identity Science (TBIOM), 2026.
- [3]. Mohammadreza Doostmohammadian, Zulfiya R. Gabidullina, Hamid R. Rabiee, “Machine learning and CPU (central processing unit) scheduling co-optimization over a network of computing centres,” Engineering Applications of Artificial Intelligence, 2026.
- [4]. Xiangkun Wu, Ting Li, Gholamali Aminian, Armin Behnamnia, Hamid R. Rabiee, Chengchun Shi, “Pessimistic Data Integration for Policy Evaluation,” The Thirty-Ninth Annual Conference on Neural Information Processing Systems, NeurIPS 2025.
- [5]. Armin Behnamnia, Gholamali Aminian, Alireza Aghaei, Chengchun Shi, Vincent Y. F. Tan, Hamid R. Rabiee, “Log-Sum-Exponential Estimator for Off-Policy Evaluation and Learning,” (Spotlight Paper), International Conference on Machine Learning (ICML), 2025.
- [6]. Mahta Fetrat Qharabagh, Zahra Dehghanian, Hamid R. Rabiee, “Fast, Not Fancy: Rethinking G2P with Rich Data and Rule-Based Models,” Empirical Methods in Natural Language Processing Findings (EMNLP), 2025.
- [7]. Karim Abbasi, Parvin Razzaghi, Ali Gharizadeh, Amin Ghareyazi, Abbas Dehnad, Hamid R. Rabiee, Mohammad R.K. Mofrad, “Computational Drug Design in the AI Era: A Systematic Review of Molecular Representations, Generative Architectures, and Performance Assessment,” Pharmacological Reviews, 2025.
- [8]. Mohammadreza Doostmohammadian, Amir Ahmad Ghods, Alireza Aghasi, Zulfiya R. Gabidullina, Hamid R. Rabiee, “Using Non-Lipschitz Signum-Based Functions for Distributed Optimization and Machine Learning: Trade-Off Between Convergence Rate and Optimality Gap,” Mathematical and Computational Applications, 2025.
- [9]. Maryam Ramezani-a, Ahad Bakhtiari, Mohammadreza Mobinizadeh, Rajabali Daroudi, Hamid R. Rabiee, Alireza Olyaemanesh, Ali Akbar Fazaali, Hakimeh Mostafavi, Maryam Ramezani-b,

- Saharnaz Sazgarnejad, Sanaz Bordbar, Amirhossein Takian, “Artificial intelligence applications in health insurances: a scoping review,” *Cost Effectiveness and Resource Allocation*, 2025.
- [10]. Mohammadreza Doostmohammadian, Hamid R. Rabiee, “Distributed Automatic Generation Control subject to Ramp-Rate-Limits: Anytime Feasibility and Uniform Network-Connectivity,” *Digital Signal Processing*, 2025.
 - [11]. Mojdeh Nazari, Hassan Emami, Reza Rabiei, Hamid R. Rabiee, Arsalan Salari, and Hossein Sadr, “Enhancing Cardiac Function Assessment: Developing and Validating a Domain Adaptive Framework for Automating the Segmentation of Echocardiogram Videos,” *Computerized Medical Imaging and Graphics*, 2025.
 - [12]. Arash Rasouli, Erfan Sadraiye, Omid Ghahroodi, Hamid Rabiee, Ehsaneddin Asgari, “AIMA at SemEval-2025 Task 1: Bridging text and image for idiomatic knowledge extraction via mixture of experts,” *Proceedings of the 19th International Workshop on Semantic Evaluation (SemEval-2025)*, 2025.
 - [13]. Mohammadreza Doostmohammadian, Hamid R. Rabiee, “Momentum-based accelerated algorithm for distributed optimization under sector-bound nonlinearity,” *Journal of the Franklin Institute*, 2025.
 - [14]. Mahta Fetrat Qharabagh, Zahra Dehghanian, Hamid R. Rabiee, “ManaTTS Persian: a recipe for creating TTS datasets for lower resource languages,” *The North American Chapter of the Association for Computational Linguistics (NAACL)*, 2025.
 - [15]. Mahta Fetrat Qharabagh, Zahra Dehghanian, Hamid R. Rabiee, “LLM-Powered Grapheme-to-Phoneme Conversion: Benchmark and Case Study,” *IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP)*, 2025.
 - [16]. Maryam Ramezani, Mohammadreza Mobinizadeh, Ahad Bakhtiari, Alireza Olyaeemanesh, Hamid R. Rabiee, Alireza Atashi, Hakimeh Mostafavi, Saharnaz Sazgarnejad, Maryam Ramezani, Efati Mohammadi, Aliakbar Fazaeli, Amirhossein Takian, “Agenda Setting for Health Equity Assessment through the lenses of Social Determinants of Health Using Machine Learning Approach: A Framework and Preliminary Pilot Study,” *BioData Mining*, 2025.
 - [17]. Mohammadreza Doostmohammadian, Muhammad I. Qureshi, Mohammad Hossein Khalesi, Hamid R. Rabiee, Usman A Khan, “Log-Scale Quantization in Distributed First-Order Methods: Gradient-based Learning from Distributed Data,” *IEEE Transactions on Automation Science and Engineering (TASE)*, 2025.
 - [18]. Mohammadreza Doostmohammadian, Zulfiya R. Gabidullina, Hamid R. Rabiee, “Momentum-based distributed resource scheduling optimization subject to sector-bound nonlinearity and latency,” *Systems and Control Letters*, 2025.
 - [19]. Maryam Ramezani, Ahad Bakhtiari, Rajabali Daroudi, Mohammadreza Mobinizadeh, Ali Akbar Fazaeli, Alireza Olyaeemanesh, Hamid R. Rabiee, Maryam Ramezani, Hakimeh Mostafavi, Saharnaz Sazgarnejad, Sanaz Bordbar, and Amirhossein Takian, “Applications of artificial intelligence and the challenges in health technology assessment: a scoping review and framework with a focus on economic dimensions,” *BMC Health Economics Review*, 2025.
 - [20]. Maryam Ramezani, Aryan Ahadinia, Erfan Farhadi, Hamid R. Rabiee, “DANI: Fast Diffusion Aware Network Inference with Preserving Topological Structure Property,” *Nature Scientific Reports*, 2024.
 - [21]. S. Fatemeh Seyyedsalehi, Mahdieh Soleymani, Hamid R. Rabiee, “SOInter: A Novel Deep Energy-Based Interpretation Method for Explaining Structured Output Models,” *ICLR 2024*.
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