

Hassan Bashiri

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Invited Scientific Member, Department of Science and Technology Futures
Studies, National Research Institute for Science Policy, Tehran

OBJECTIVE



- To engage in advanced research and teaching programs of a top university or research institute
- **Specific Areas of Interest include:**
 - Futures Studies
 - Complex Systems/Social Modeling and Simulation
 - Engineering the Futures, Scenario Based Planning
 - Information Retrieval
 - Text Mining, Ranking Algorithms, Indexing, Modeling

EDUCATION

- **PhD**, (2012 - 2016): Futures Studies, Interdisciplinary Science, International University of Imam Khomeini, Darband Campus, Tehran, IRAN, **CGPA: 19.32 out of 20**, 1th Rank between PhD Entrances, Dissertation: Engineering the Futures in Complex Systems, Grade: Excellent, 20 out of 20
- **Master of Engineering**, (2001 - 2004): Software Engineering, Department of Computer Engineering, Shahid Beheshti University, Tehran, IRAN, **CGPA: 17.22 out of 20**, Grade: Excellent, 20 out of 20
- **Bachelor** of Engineering, (1997 - 2001): Software Engineering, Department of Computer Engineering Isfahan University, Isfahan, IRAN, **CGPA: 16.68 out of 20**

AWARDS/HONORS

- **University Outstanding Student Award**, International University of Imam Khomeini, 2015 (when I was studying PhD)
- **Fellowship for PhD Study**, University of Wisconsin - Milwaukee, School of Information Studies, 2010 - 2014 (*I could not pursue my PhD at that time due to family problems*)
- **Best Technocrat** between startups in the province, for developing best IT-based product, Dec 2017 and Dec 2016
- **Best Researcher** at the Computer Science Department, Hamedan University of Technology, Research week, Dec. 2020, Dec. 2018 and Dec. 2009
- **Champion** of the 3rd American Open RoboCup Competitions (USOpen05), May 2005, Atlanta, USA.
- **Champion** of the 2nd American Open RoboCup Competitions (USOpen04), April 2004, New Orleans
- **Champion** of the 2nd Iranian Open Robotics Competitions, March 2004, Tehran, Iran.
- **Champion** of the 2nd Iranian Open Robotics Competitions, March 2004, Tehran, Iran.
- **5th Place** of RoboCup WorldCup 2005 Competitions, July 2005, Japan.
- **5th Place** of RoboCup WorldCup 2004 Competitions, July 2004, Portugal
- **2nd Place** of the 3rd Iranian Open Robotics Competitions, May 2005, Tehran, Iran.
- **Award in Leading** of the ICT Incubator Center, Bu-Ali Sina University as Deputy of Incubator, awarded by: Research Deputy, Bu-Ali Sina University, July 2005

- **Research** award for best MS thesis in the country, from ICT Ministry, July 2005
- **Research Partner** in International AI for Assessment, TISSS Lab in Johannes Gutenberg University (*project coordinator*), German Research Centre for AI, Human Centered Multimedia, and Centre for Research in Social Simulation, *www.ai-fora.de*, May 2021 - Present
- **Director of Research and Technology Affairs** in Hamedan University of Technology, 2018 March -Present
- **Invited Scientific Member**, Department of Futures Studies, *National Research Institute for Science Policy, Tehran, IRAN*, 2019 Jul - Present
- Iran **Branch Director** and **Project Manager** of the von waldkirch PR NEW MEDIA GmbH Switzerland, Software Company, 2014 – 2018
- **Technical Expert** and **Assessor** of Commercialization and Knowledge-Based Projects, Vice President for Science and Technology, 2019 - Present
- **Technical Mentor** for Startup Teams, Hamedan Science and Technology Park, 2015 – Present
- **Lecturer** of Bu-Ali Sina University and Hamedan University of Technology - Department of Computer Engineering, 2003 - 2020
- **Head of Department** of Hamedan University of Technology, 2008 - 2013 and 2016 – 2018
- **Chair Member** of Hamedan Science and Technology Park, Hamedan, 2010 - Present
- **Deputy of Technology**, Bu-Ali Sina ICT Incubator Center, Hamedan, Iran, 2004- 2006
- **Project Manager** and **Analyst** of Xagross e-Commerce Project, Xagross Company, Hamedan, 2003-2004, *www.xagross-IT.com*
- **Director of ACM/ICPC Programming Contest**, Local Site, Isfahan University in *2000 and 2001*, and also Hamedan University of Technology, *2009, 2010, 2011*

Books:

1. **Bashiri H.**, Nazemi A., (2018), Futures Studies in Complex Systems [آینده پژوهی در سیستم های پیچیده], *National Research Institute for Science Policy Press*, (the book awarded by Iranian Futures Association as the book of the year)
2. Taleahmad Z., **Bashiri H.**, (2017), Step-by-step training course on visual programming under Windows in Visual C++ [آموزش گام به گام برنامه نویسی مصور در ویژال سی پلاس پلاس تحت ویندوز], Naghoos Press

Journal and Conference Papers

1. **Bashiri, H.**, Hoseini Moghadam M.*, Moazami Goudarzi Sh., Ziaeeaparvar H., (2021), New Technologies and Foresight of Book Publication Cycle in Iran [فناوری های نوین و آینده نگری چرخه نشر کتاب], *Journal of National Studies on Librarianship and Information Organization*, Volume 32, Issue 3, Page 125-141
2. **Bashiri, H.***, Heidari, A., (2021), Promoting of Science and Technology through Story Narration and Displaying Science History with Animation, *the Role of Science Popularization in Science, Technology and Innovation Policy*, ALLIED PUBLISHERS PVT. LTD., 144 - 150
3. Hoseini Moghadamm M., Heidarzadeh*, A., **Bashiri, H.**, Khoshrang, H. and Dadgaran, I. (2020), Scientific excellency model in Iran's higher education case study: Guilan University of medical sciences, *Foresight*, Vol. 22 No. 4, pp. 417-436.

3. **Bashiri, H***, (2020), Scientific Excellency: Lessons Learned from International Experiences [مرجعیت علمی: آموزه‌های بین‌المللی], *Quarterly Journal of Deputy for Research and Technology*, Bu-Ali Sina University
4. Hoseini Moghadam, M.*, **Bashiri, H.**, (2019), Causal Layered Analysis of High-Skilled Diaspora: Case study of Iran [تحلیل لایه‌ای بازگشت نخبگان خارج از کشور به چرخه خدمت جامعه: مطالعه موردی ایران], *Iranian Journal of Engineering Education*, 21(82), 111-138
5. **Bashiri, H.***, Nazemi, A., Mobinidehkordi, A., (2017), Engineering the Futures in Complex Systems, *Foresight Journal*, Vol 19, Issue 3, 306 - 322
6. Mobinidehkordi, A., **Bashiri, H.***, (2017), Providing Engineering Futures Methodology in Complex Systems [ارائه روش مهندسی آینده در سیستم‌های پیچیده], *Quarterly Journal of Rahbord*, Vol 81, No 25.
7. **Bashiri, H.***, Moghadam M., Sani-Ejlal M., Irannejad M., (2014), Future Oriented Approach in Policymaking for Technology Universities Based on Environmental Scanning of Higher Education Trends [رویکرد آینده‌پژوهانه در سیاست‌گذاری دانشگاه‌های صنعتی مبتنی بر پایش محیطی روندهای جهانی آموزش عالی]. *Iranian Journal of Engineering Education*, 16(61), 69-95.
8. Yavari, Y.*, **Bashiri, H.**, (2014), Scrum Challenges in Practice: Solutions and Recommendations [چالش‌های اسکرام در عمل: راه‌حل‌ها و توصیه‌ها], Computer Report, *Informatics Association Monthly Journal*, 214
9. Talimian, S., Mansourizadeh, M.*, Nasiri, M., **Bashiri, H.**, (2014), Semi-automatic Extraction of Object Behavior from Unstructured Texts [استخراج نیمه خودکار رفتار اشیاء از متون غیرساختار یافته], *19th Conference of Computer Society of Iran (CS- ICC'2014)*, Shahid Beheshti University, Tehran, Iran
10. **Bashiri, H.***, Yavari, Y., (2014), Software Engineering: Trends and Future Frontiers [مهندسی نرم افزار: روندها و سرحدات آینده], *National Conference on Computing and Information Technology: The New Frontiers and Shifting Trends*, Malayer University, Malayer, Iran
11. **Bashiri H.***, Heidari A., (2014), Future Oriented Educations to Empower Women and Increase the Level of Women's Participation in Creating of Futures Vision, *International Seminar Education and Empowerment of Women*, Autonomous University of Madrid, Spain
12. **Bashiri H.***, Heidari A., (2013), Futures Studies, Art or Science [آینده‌پژوهی علم یا هنر], *Science Promotion Quarterly*, Vol 4, Issue 4, 57 - 63
13. **Bashiri, H.***, Yavari, Y., (2013), Effort Estimation of Software Development: Depth View on IRAN Case, *American Journal of Software Engineering*, Vol. 1, No. 1, pp 5 - 11
14. **Bashiri, H.***, Heidari A., (2013), Technology Management: Infrastructure, Software, Skill or Singularity [مدیریت فناوری: زیرساخت، نرم‌افزار، مهارت یا تکینگی], *The Future of Defense Industry Research Journal*, Vol 5, pp 73 – 82
15. **Bashiri, H.***, Yavari, Y., (2013), Software Development Effort Estimation in IRAN: Challenges and Recommendations [تخمین تلاش توسعه نرم‌افزار در ایران: چالش‌ها و راه‌کارها], *18th Conference of Computer Society of Iran (CS- ICC'2013)*, Sharif University of Technology, Tehran, (selected as one of the best papers in the CSICC'2013)
16. Zohrevand N.*, Sadeghi, M., **Bashiri, H.**, Zohrevand, Y., (2012), Comparison of SVR and GARCH Models in Forecasting Oil Price Volatility [مقایسه مدل‌های اس‌وی‌ار و گارچ در پیش‌بینی بی‌ثباتی قیمت نفت], *Quarterly Energy Economics Review*, 34, 137

17. Heidari, A.*, Tabaeian, K., Bashiri, H., (2012), Futures Studies as a Tool for Science and Technology Policymaking [آینده‌پژوهی ابزاری برای سیاست‌گذاری علم و فناوری], 6th National and 2nd International Conference on Management of Technology, Tehran, Iran
18. Moghadam M.*, **Bashiri, H.**, A. Pourezzat, (2011), Application of Chaos Theory in Futures Studies and Back Casting to Evaluate the Theory in Iran History, *Yeditepe International Research Conference on Foresight and Futures (YYIRCoF11)*, Istanbul, Turkey
19. Bashbaghi, S.*, Parchami, M., Khotanlou, H., **Bashiri, H.**, (2011), Developing an Automatic Classifier of Persian Texts for using in Digital Libraries of Electronic City [ایجاد یک طبقه‌بند خودکار], *National Conference on Electronic City*, Islamic Azad University of Hamedan, Hamedan, Iran
20. Behshameh, M., **Bashiri, H.***, Hooshmand, S., (2010), Evaluation of Clustering and Summarizing in Distributed Latent Semantic Indexing, *the 2nd IEEE International Conference on Information Management and Engineering (IEEE ICIME 2010)*, China
21. Saboori, F., **Bashiri, H.***, Oroumchian, F., (2008) Assessment of Query Expansion based on Rocchio Approach in Persian Information Retrieval, *International Journal of Information Science and Technology*, Volume 6, No. 1
22. Rezvanian A., **Bashiri, H.***, (2007) Persian Web Characterization based on SABA Web Crawler [منش‌نمایی وب فارسی با استفاده از پیمایشگر وب صبا], *In Proceedings of 12th International CSI Computer Conference (CSICC'2007)*, Shahid Beheshti University, Tehran, Iran
23. **Bashiri, H.***, F. Karbalaie, S. Mousavi, (2006), Design and Evaluation of Automatic Persian Indexer for Persian Text [طراحی و ارزیابی نمایه‌ساز خودکار متون فارسی], *In Proceedings of 11th International CSI Computer Conference (CSICC'2006)*, IPM, Tehran, Iran
24. **Bashiri, H.***, Farahmand, F., Ghiasi-RAD, H., Jafari, N., Kaviani, N., Mokhtari, A., Nouri, A., M. Rafaie-Jokandan, M., Taheri, M., (2006), RoboSina2006 Team Description, *In Proceedings of the 10th International RoboCup Symposium (RoboCup'06)*, Bremen, Germany
25. Hosseini, M., Hosseini-Moghaddam, M.*, **Bashiri, H.**, (2006), an Information Development Model to Achieve a Knowledge-based Society [ارائه مدل توسعه اطلاعاتی برای دستیابی به جامعه دانش‌مدار], *Conference on Futures Studies, Technology and Development Vision*, Amirkabir University of Technology, Tehran, Iran
26. **Bashiri, H.***, Kaviani, N., Rafaie-Jokandan, Zarrabi-Zadeh, H., (2005), RoboSina2005 Team Description, *In Proceedings of the 9th International RoboCup Symposium RoboCup'05*, OSAKA, Japan
27. **Bashiri, H.***, F. Oroumchian, A. Moeini, (2005) Persian Email Classification based on Rocchio and K-Nearest Neighbor Approach, *In Proceedings of 13th Multi-disciplinary Iranian Researchers Conference in Europe*, Leeds, England
28. **Bashiri, H.***, F. Oroumchian, M. T. Roohani, A. Moeini, (2005) Evaluation of Latent Semantic Indexing Model for Persian Information Retrieval [ارزیابی مدل نمایه‌سازی معنایی پنهان در بازیابی متون فارسی], *In Proceedings of 10th International CSI Computer Conference (CSICC'2005)*, Tehran, Iran
29. Shokouhi, M.*, Chubak, P., Oroumchian F., **Bashiri, H.**, (2004) Design and Implementation of Regional Crawling as a New Method, *In Proceedings of IADIS International Conference e-Society*, Spain
30. Amiri, F., **Bashiri, H.**, Kafi, S., Kaviani, N., Rafaie, M., Zarrabi-Zadeh, H.*, (2004), RoboSina2004 Team Description, *In Proceedings of the 8th International RoboCup Symposium (RoboCup'04)*, Lisbon, Portugal

TEACHING EXPERIENCE

- **Lecturer of Modern Information Retrieval**, Hamedan University of Technology, *2009 to 2022* and Bu-Ali Sina University, *2004 to 2018*
- **Lecturer of Software Engineering and Systems Analysis**, Hamedan University of Technology, *2009 to 2022* and in Bu-Ali Sina University (*2004 to 2009*)
- Other courses I have taught: **Data Structures, Advanced Programming in C++, Problem Solving and Programming, English for Computer Science, Research Methods** for Graduate Students
- **Coach of ACM-ICPC teams** in Isfahan University (*2004*), Bu-Ali Sina University (*2005, 2006*), Hamedan University of Technology (*2010, 2011 2012, 2016, 2019, 2020*)

LANGUAGES

- **Persian (Farsi)**: Mother Tongue
- **English**: Advanced (TOEFL iBT Score: 95 at 2008)
- **Deutsch**: A2
- **Arabic**: Intermediate
- **Turkish**: Upper-intermediate