

Personal Information

Dr. Mohammad Kazemifard Assistant Professor

- **Ph.D. in Computer Software Engineering**
- Faculty of Engineering, [University of Isfahan](#), Isfahan, Iran, Sept. ۲۰۰۶ - Oct. ۲۰۱۱
 - **Ph.D. Thesis:**
 - Modeling of Emotion Understanding Ability in Intelligent Agents
 - *Supervisor: [Prof. Naser Ghasem-Aghaee](#) Advisor: [Prof. Tuncer Ören](#), Emeritus Professor, University of Ottawa*
- **M.Sc. in Computer Software Engineering**
- Faculty of Engineering, [University of Isfahan](#), Isfahan, Iran, Sept. ۲۰۰۴ - Sept. ۲۰۰۶
 - **M.Sc. Thesis:**
 - Design and Implementation of an Emotional Model in Intelligent Agents
 - *Supervisor: [Prof. Naser Ghasem-Aghaee](#)*
- **B.Sc. in Computer Software Engineering** Faculty of Engineering, [Razi University](#), Kermanshah, Iran, Sept. ۲۰۰۰ - Sept. ۲۰۰۴
 - **B.Sc. Thesis:**
 - Design and Implementation of a Service Oriented Management System

Publications (Journal&Book chapter)

- ۱ **Kazemifard, M.**, Ghasem-Aghaee, N., Koenig, B., & Ören, T. (۲۰۱۴). An emotion understanding framework for intelligent agents based on episodic and semantic memories. *Autonomous Agents and Multi-Agent Systems*, ۲۸(۱), ۱۲۶-۱۵۳.
- ۲ **Kazemifard, M.**, Ghasem-Aghaee, N., and Ören, T.I. (۲۰۱۲). "Emotive and Cognitive Simulations by Agents: Roles of Three Levels of Information Processing", *Cognitive Systems Research*, ۱۳(۱), ۲۴-۳۸.

- ۳ **Kazemifard, M.**, Zaeri, A., Ghasem-Aghaee, N., NematBakhsh, M.A., and Mardukhi, F. (۲۰۱۱). "Fuzzy Emotional COCOMO II Software Cost Estimation (FECSCCE) Using Multi-Agent Systems", *Applied Soft Computing*, ۱۱(۲), ۲۲۶۰-۲۲۷۰.
- ۴ **Kazemifard, M.**, Ghasem-Aghaee, N., and Ören, T.I. (۲۰۱۱). "Design and Implementation of GEmA: A Generic Emotional Agent", *Expert Systems with Applications*, ۳۸(۳), ۲۶۴۰-۲۶۵۲.
- ۵ Fatahi, S., **Kazemifard, M.**, and Ghasem-Aghaee, N. (۲۰۰۹). "Design and Implementation of an E-Learning Model by Considering Learner's Personality and Emotions". In S. I. Ao and L. Gelman (Eds.), *Advances in Electrical Engineering and Computational Science* (Vol. ۳۹, pp. ۴۲۳-۴۳۴): Springer Netherlands. ([pdf](#))

Publications (Conference)

- ۱ Hakimi, A., and **Kazemifard, M.** (۲۰۱۵). "Emotional News Recommender System". In *Proceeding of the ۷th International Conference of Cognitive Science (ICCS)*, Tehran, Iran, p. ۴. ([pdf](#))
- ۲ Noori, F. and **Kazemifard, M.** (۲۰۱۵). "Design a University web site by considering Users' Emotion and Using Kansei Engineering". In *Proceeding of the ۷th International Conference of Cognitive Science (ICCS)*, Tehran, Iran, p. ۵. ([pdf](#))
- ۳ Irani, R., and **Kazemifard, M.** (۲۰۱۵). "An Emotional Intelligent Tutor System based on Example Tracing". In *Proceeding of the ۷th International Conference of Cognitive Science (ICCS)*, Tehran, Iran, p. ۱۱. ([pdf](#))
- ۴ Noori, F., Shamsi Zadeh, S., and **Kazemifard, M.** (۲۰۱۵). "Design a University web site by considering Users' Emotion and Using Kansei Engineering". In *Proceeding of the ۷th International*

Conference of Cognitive Science (ICCS), Tehran, Iran, p. 90.([pdf](#))

- Mohammadi, A., and **Kazemifard, M.** (۲۰۱۴). "A data mining-based solution for money laundering detection in bank database". Paper presented at the First Conference of Data mining in Banking, Tehran, Iran (Persian).(pdf)
- ۶ Tavakoli, M., Palhang, M., and **Kazemifard, M.** (۲۰۱۴). "Three levels of information processing: improvement using personality". Paper presented at the ۱۲th Iranian Conference on Intelligent Systems, Bam, Iran.(pdf)
- ۷ **Kazemifard, M.**, and Ören, T.I. (۲۰۱۳). "Toward Agents with Switchable Emotion Understanding Ability". In Proceeding of the 9th International Conference of Cognitive Science (ICCS), Tehran, Iran, p. ۲۷.(pdf)
- ۸ Ören, T., **Kazemifard, M.**, and Yilmaz, L. (۲۰۱۳). "Machine Understanding and Avoidance of Misunderstanding in Agent-directed Simulation and in Emotional Intelligence". Paper presented at the ۳rd International Conference on Simulation and Modeling Methodologies, Technologies and Applications, Reykjavík, Iceland (pdf).
- ۹ **Kazemifard, M.**, and Dalvand, K. (۲۰۱۲). "An Adaptive User-Interface Based on User's Emotion". In Proceeding of the ۲nd International eConference on Computer and Knowledge Engineering (ICCKE), Mashhad, Iran, pp. ۱۶۱ - ۱۶۶.(pdf)
- ۱۰ Ramezani, F., Ghasem-Aghaee, N., and **Kazemifard, M.** (۲۰۱۱). "Modeling of Emotional-Social Negotiator Agents". In Proceeding of the ۱۱th International Conference on Intelligent Systems Design and Applications (ISDA), Cordoba, Spain, pp. ۴۲-۴۶.(pdf)
- ۱۱ **Kazemifard, M.**, Ghasem-Aghaee, N., Koenig, B., and Ören, T.I.

- (۲۰۱۱). "Toward Effective Emotional Intelligence Simulation: Modeling Understanding Ability for Emotive Agents". In Proceeding of the Fourth International Conference of Cognitive Science (ICCS), Tehran, Iran, pp. ۱۰۴ (Extended abstract)([pdf](#)).
- ۱۲ **Kazemifard, M.**, Ghasem-Aghae, N., and Ören, T.I. (۲۰۰۹). "Agents with Ability to Understand Emotions". In Proceeding of the Summer Computer Simulation Conference, Istanbul, Turkey, pp. ۲۰۴-۲۶۰. ([pdf](#))
- ۱۳ Ören, T.I., Yilmaz, L., **Kazemifard, M.** and Ghasem-Aghae, N. (۲۰۰۹). "Multi-understanding: A Basis for Switchable Understanding for Agents". In Proceeding of the Summer Computer Simulation Conference, Istanbul, Turkey, pp. ۳۹۰-۴۰۲. ([pdf](#))
- ۱۴ Ghasem-Aghae, N., Khalesi, B., **Kazemifard, M.**, and Ören, T.I. (۲۰۰۹). "Anger and Aggressive Behavior in Agent Simulation". In Proceeding of the Summer Computer Simulation Conference, Istanbul, Turkey, pp. ۲۶۷-۲۷۴. ([pdf](#))
- ۱۵ Fatahi, S., Ghasem-Aghae, N., and **Kazemifard, M.** (۲۰۰۸). "Design an Expert System for Virtual Classmate Agent (VCA)". In Proceeding of the International Conference of Computational Intelligence and Intelligent Systems (ICCIIS'۰۸), London, UK, pp. ۱۰۲-۱۰۶. ([pdf](#))
- ۱۶ **Kazemifard, M.**, and Ghasem-Aghae, N. (۲۰۰۷). "Virtual Tutor". In Proceeding of the ۱۰th Iranian Conference on Electrical Engineering (ICEE'۰۷), Tehran, Iran, pp. ۳۰۸-۳۶۳ (Persian). ([pdf](#))
- ۱۷ Shahgholi-Ghahfarokhi, B., Shahbazi, H., **Kazemifard, M.**, and Zamanifar, K. (۲۰۰۶). "Evolving Fuzzy Neural Network Based Fire Planning in Rescue Firebrigade Agents". In Proceeding of the Summer Simulation Conference (SCSC'۰۶), Calgary, Canada, pp.

۷۴-۸۲. ([pdf](#))

- ۱۸ **Kazemifard, M.**, Ghasem-Aghae, N., and Ören, T.I. (۲۰۰۶). "An Event-based Implementation of Emotional Agents". In Proceeding of the Summer Simulation Conference (SCSC'۰۶), Calgary, Canada, pp. ۶۳-۶۷. ([pdf](#))
- ۱۹ **Kazemifard, M.**, Fatemi, A., and NamatBakhsh, N. (۲۰۰۶). "EJACK: AN Extended Developing Tool for Tropos". In Proceeding of the International Conference on Computer and Communication Engineering (ICCCE'۰۶), Kuala Lumpur, Malasia, pp. ۲۱۴-۲۱۸. ([pdf](#))
- ۲۰ **Kazemifard, M.**, and Ghasem-Aghae, N. (۲۰۰۵). "An Emotional Model for Intelligent Agents". In Proceeding of the ۷th International Conference of Intelligent Systems (CIS۲۰۰۵), Tehran, Iran.

Research's Interests

- Agents with emotion understanding ability
- Emotional agents modeling
- Human-Computer Interaction (HCI)
- Computational cognitive modeling
- Agent-directed simulation
- Multi Agent Systems
- Agent Oriented Software Engineering

Activities

- Workshop Lecturer at Research Seminar on "[An Emotion Understanding Framework for Intelligent Agents based on Episodic and Semantic Memories](#)", [Institute for Cognitive Science Studies](#), Tehran, Iran (February ۲۰۱۴) [slides](#).
- Paper Reviewer of the ۱۹th Iranian Conference on Electrical, Computer and Information Technology Engineering, ۲۰۱۲.
- Paper Reviewer of the ۷nd International eConference on Computer and

- Knowledge Engineering, ۲۰۱۲.
- Workshop Lecturer at Research Seminar on "[Applications & Simulation of personality, emotion, perception, and aggressiveness](#)", [Institute for Cognitive Science Studies](#), Tehran, Iran (May ۲۰۱۱) [slides](#).
 - Workshop Lecturer at Research Seminar on "Virtual Tutor", Islamic Azad University of Majlesi, Isfahan, Iran (June ۲۰۰۹).
 - Paper Reviewer of the ۷th International ISC Conference on Information Security and Cryptography, ۲۰۰۹
 - Executive Committee of ۷th International ISC Conference on Information Security and Cryptography, Isfahan, Iran, ۲۰۰۹.
 - Assistant of University of Isfahan Distributed Artificial Intelligence Laboratory (UIDAILab).
 - Head of the ACM-ICPC Committee in University of Isfahan from ۲۰۰۶ to ۲۰۱۰.
 - Member of RoboCup Rescue Simulation Team (Bam), participated in Robocup International Competition, Bremen, Germany, ۲۰۰۶.

Awards and Honors

- Working with Prof. Andrew Ortony, Director, Programme in Computational Cognition for Social Systems (CCSS), Institute of High Performance Computing, Singapore Agency for Science Technology and Research (A*STAR), Singapore, in the sabbatical leave period, ۲۰۱۱.
- Twelfth place Diploma in ACM-ICPC, Asia Region, Tehran site, Sharif University of Technology, Tehran, Iran, ۲۰۱۰: as a coach of Razi University team.
- Honorable Mention Diploma in ACM-ICPC, Asia Region, Tehran site, Sharif University of Technology, Tehran, Iran, ۲۰۱۰: as a coach of University of Isfahan team.
- Honorable Mention Diploma in ACM-ICPC, Asia Region, Tehran site, Sharif University of Technology, Tehran, Iran, ۲۰۰۹: as a coach of University of Isfahan team.
- Ninth place Diploma in ACM-ICPC, Asia Region, Tehran site, Sharif University of Technology, Tehran, Iran, ۲۰۰۸: as a coach of

- University of Isfahan team.
- Seventh place Diploma in ACM-ICPC, Asia Region, Tehran site, Sharif University of Technology, Tehran, Iran, ۲۰۰۸: as a coach of University of Isfahan team.
 - Eighth place Diploma in ACM-ICPC, Asia Region, Tehran site, Sharif University of Technology, Tehran, Iran, ۲۰۰۷: as a coach of University of Isfahan team.
 - Honorable Mension Diploma in ACM-ICPC, Asia Region, Tehran site, Sharif University of Technology, Tehran, Iran, ۲۰۰۷: as a coach of Razi University team.
 - Tenth place Diploma in ACM-ICPC, Asia Region, Tehran site, Sharif University of Technology, Tehran, Iran, ۲۰۰۶: as a coach of University of Isfahan team.
 - Ph.D. Scholarship from Iranian Ministry of Science, Research and Technology for joining the Comouter Engineering Department of Razi University, (۲۰۰۶-۲۰۱۰).
 - First Grade in B.Sc. of Software Engineering, Razi University, Kermanshah, Iran, ۲۰۰۴.

Technical Skills

- Operating systems: Windows, Mac OS
- Database management systems: SQL server, MySql, Oracle
- Programming languages: C++, Java, C#, Prolog
- Web: JavaScript, CSS, HTML, PHP, ASP.Net
- Others: Soar, JADE, Aglet, Fuzzy clips