

Curriculum Vitae (C.V.)

Personal Data:

Name: Mohammad ali Nikouei Mahani
Date of Birth: June-29-1986
Marital Status: Single
Children: N/A
Profession: Student
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International Robocup Matches:

- Participating in International IranOpen 2008 Robotic match in Iran.
- Participating in International Robocup 2007 match in America.
- Participating in International IranOpen 2007 Robotic match in Iran.
- Participating in International Robocup 2006 match in Germany.
- Participating in International Robocup 2005 match in Japan.
- Participating in International Robocup 2004 match in Portugal.

Awards:

- First rank in Kid-Size Humanoid league of the 2nd International Robocup competitions, IranOpen, 2007, Tehran, Iran.
- Bronze Medal in Eureka 2004 with Persia Robotic Team (Brussels 2004).
- Second Rank in the 5th Kharazmi Festival.
- First Rank in the 4th Kharazmi Festival.
- Second Rank in the 3th Kharazmi Festival.
- Best Student Researcher of Kerman Province in 2002.
- Third Rank in the 2th Kharazmi Festival.

Conference Publications:

- M. A. Nikouei Mahani, M. K. Moghadam, H. Nezamabadi-pour, A. Bahrol-olum, "Dynamic Edge Detector Using Fuzzy Difference" accepted for the 13th International CSI Computer Science, Kish, Iran, March 2008.
- F. Afsari, M. K. Moghadam, M. A. Nikouei Mahani, H. Nezamabadi-pour, " A New Fuzzy Edge Detector Using Dynamic Membership Functions", first fuzzy and intelligence system, Mashhad, Iran, 2007.

- Shahram Jafari, Mohammad-Ali Nikouei Mahani and Mahdi Sharifi "*Comparison between Different Learning Rates in a Car Safety Controller*", accepted for the IEEE ICCA 2007, Guangzhou, China, May 2007.
- H. Nezamabadi-pour, M. Arabnezhad, M. Nikouie Mahani, S.R. Ataee, K. Noorae, M. Iranmanesh, S.M. Alavi, H. Haji Rezaei, M. Fadaee, "Persia Team Description 2006 Robocup ", The International Symposium and Competitions on Robocup, Bremen Germany, 2006.
- H. Nezamabadi-pour, M. Iranmanesh, M. Alavi, M. Nikouie Mahani, S.R. Ataee, H.H. Rezaei, M. Arabnezhad, P. Hosseini, "Persia B Team Description 2005 Robocup ", The International Symposium and Competitions on Robocup, Osaka Japan, 2005.

Journal Publications:

- S. Jafari, M.A Nikouei Mahani, M. Arabnezhad and M. Sharifi, "*Adaptive Car Safety System*", published in the Transactions on engineering, computing and technology, ISSN: 1305-5313, ENFORMATIKA, VOL 19, pp. 46-50, January 2007.

Projects:

- Fuzzy edge detector using dynamic membership functions (2007)
- Design and implementation of HS-5 arm robot controller system (2006)
- Packet routing algorithm in a constrained network using ant colony (2006)
- Adaptive Multi-Channel SteganoGraphy in bitmap images (2006)
- Design and implementation of a simple path finder robot (2006)
- Spell Checker for open shell in windows (2005)
- Ultrasonic Scanner (2002)
- Digital Micrometer (2001)

Team working:

- Cooperation in design of "Adaptive Car Safety System" (2007)
- Working on design and implementation of Persia humanoid robot (April 3 to April 7, Tehran, Iran)
- Working on the project of design and implementation of NICICO humanoid robot (June 14 to June 20, Bremen, Germany)
- Working on the project of design and implementation of Persian-B human robot (July 13 to July 19, Osaka, Japan)
- Cooperating in design and implementation of the automatic managing system of Lift-truck (2005, Kerman, Iran)
- Cooperation in designing and implementing of the Intelligent ICU (Intelligent Control System) system of the car (2006, Kerman, Iran)

- Cooperating in designing and implementing of the Kajdom Kavir Robot. (2002, Tehran, Iran)

Teaching experience:

- Teacher Assistant of AI, Data Structure courses in Shahid Bahonar university of Kerman.
- AI, Microcontroller, Robotic and Image processing courses in Shiraz University.
- Microcontroller course in Educational Research center of Kerman.
- Microcontroller course in Shahid Bahonar university of Kerman.

Technical Expertise:

- AI, Fuzzy reasoning, Robotic, Machine vision, Image processing, Pattern recognition and Soft computing
- Microcontroller and Interface Circuit Design
- AVR, PIC microcontrollers, FPGA, CPLD.
- Designing computer controlling devices.
- Security control software designing and implementing
- Operating systems: Linux, Unix, Windows
- Programming languages: C, C++, C#, Java, .NET, PHP, HTML, Matlab
- Web programming with HTML, JavaScript and PHP
- Database programming: SQL, Oracle.

Working experiences:

- Working as designer and projects manager in Etehad Hushmandan Co.
- Working as hardware designer and programmer in Kerman robot Research Company.
- Working as consultant in AI software programming at FreeLiveNet. Sydney, Australia.