



Mojtaba Behnam Taghaddosi

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Education

• Polytechnic University of Turin	Turin, Italy
PhD in Mechatronics	2008-2011
• Tarbiat Modares University	Tehran, Iran
Master of Electrical Engineering (Control)	2001-2004
• Shahid Bahonar University	Kerman, Iran
Bachelor of Electrical Engineering (Electronics)	1995-2000

Work Experiences

• Founder & Managing Director of Nano-age Technology Development Company (Innovational Investor)	2024 so far
• Realization agent of Qeshm Innovative Island,	2024 so far
• Founder & Chairman of the Board of Nano-age Technical & Engineering Company	2004 so far
• Founder and member of the board of Rastin Pajouhan Segal Knowledge-based Company	2014 so far
• Managing Director & Member of the Board of Razavi Advanced Industries Company (Knowledge-Based Venture Capital Investor), one of the subsidiaries of Astan Quds Razavi	2019-2023
• Director of Development and Productivity of Astan Quds Razavi Endowment Productivity Foundation	2021-2022
• Member of the Knowledge Foundation Working Group of the Supreme Leader	2021-2-23
• Vice Chairman of Keyhan Space Industry Development Company (Iran Space Holding)	2020-2023
• Founder and Chairman of the Commercialization Commission of the Association of Knowledge-Based Companies of Khorasan Razavi	2022-2023
• Member of the Foreign Trade and Foreign Investment Committee of the Endowment Productivity Foundation of Astan Quds	2022-2023
• Representative of the vice president for science and technology and knowledge-based economy in Mashhad Innovation Factory	2022-2023
• Member of the professional technical committee for purchasing security equipment for the holy shrine of Razavi	2021-2023
• Member of Astan Quds Razavi Science and Technology Endowment Working Group	2020-2023
• Chairman of the Board of Abkooch Sugar Company	2019
• Chairman of the Board of Astan-e- Reza Cooperative Company	2018-2020
• Vice president of educational affairs of Imam Reza International university	2015-2016
• Managing Director of NanoAge Company	2014-2019
• Deputy of Mechatronics, Rastin Pajouhan Segal Knowledge-Based Company	2014 so far
• Senior Consultant of Part Control Company, Representative of Siemens and Schneider Electric in Iran	2012-2017



- Senior Consultant of Novin Construction Factory, Tehran, Safadasht Industrial Town 2012-2013
- Managing Director of Padir Sanat Irya Educational Research Company 2007-2008
- Advisor to the CEO of Faraz Sanat Irya Company ,Representation of Festo, Renner & Alfalaval in the Northeast of Iran 2005-2008
- Deputy of Furnace - Electricity and Energy of Toos Chini Factory, Mashhad 2000-2001

Teaching Experiences

- Faculty member of the Department of Electrical and Mechanics, Imam Reza International University 2013 so far
- Educational Advisor to the President of Imam Reza International University 2017-2018
- Vice president for Education and Graduate Studies, Imam Reza International University 2015-2016
- Official member of the Admission Council of Imam Reza International University with the decree of the honorable Minister of Science and Research 2017-2018
- Director of Postgraduate Studies and Member of the Research Council of Imam Reza International University 2014-2015
- Responsible for doctoral courses at Imam Reza International University 2013-2014
- Instructor of mechatronics and industrial automation courses of Faraz Sanat Iria Company (Representation of Festo Germany, Renner Germany and Alfalaval Sweden in the northeast of Iran) 2005-2008
- Invited lecturer in the Department of Electrical Engineering, Ferdowsi University of Mashhad
- Instructor of industrial automation and mechatronics courses of Festo Germany
- Instructor of industrial automation courses of the German representative of Siemens in Mashhad
- Invited lecturer in the control department of Shahid Montazeri Technical University of Mashhad 2004-2013
- Lecturer in Electronics, Islamic Azad University, Saveh Branch 2002-2003

Research Activities

- Supervised more than 70 master's theses in the field of mechatronics 2014 so far
- Supervised more than 40 bachelor's theses in the fields of electrical and medical engineering 2014 so far
- Design and implementation of intelligent fault detection algorithm for water turbines automatically and online using vibration analysis, PhD Thesis 2011-2012
- Design and construction of laboratory anti-lock braking system (ABS) using adaptive fuzzy logic (defended with excellent rating), M.Sc. Thesis 2004

• Articles:

- O. Ramezani, M. Molleee, S. Mollae, **M. Behnam T.** & S. Sabet, "Study the efect of hot fuid fow rate and carbon nanotube–water on the performance of nanofuid in gasketed plate heat exchanger", Journal of Thermal Analysis and Calorimetry, April. 2023
- S. M. Ahmadi, **M. Behnam T.** & G. Nazmara, "Adaptive finite-time impedance backstepping control for uncertain robotic systems interacting with unknown environments", International Journal of Control, Aug. 2022
- H. N. Bairmani, **M. Behnam T.**, A. H. Jawdhari, G. F. Smaisim, H. A. Al-Hameed, "Improve The Automatic Detection of Welding Defects in Steel Structures Using Fuzzy Clustering Algorithm", Journal of Distributed Computing and Systems (JDCS), Vol. 4, Issue 2, Pages 83-91, March 2022
- S. M. Ahmadi, **M. Behnam T.** and A. Haqshenas M., "A state augmented adaptive back stepping control of wheeled mobile robots", Transaction of the Institute of Measurement and Control Oct. 2020
- F. S. Jiwad, I. M. Abed and **M. Behnam T.**, "Fresh Water Generation by Wind Energy", The Iraqi Journal for Mechanical and Material Engineering, Vol 20, No.2 June 2020



- F. S. Jiwad, **M. Behnam T.** and A. A. Majhool, "Development of the Hydro Static Wind Turbine Powered RO System for Maximum Power Point and Maximum Permeate Flow Tracking", *Al-Qadisiyah Journal for Engineering Science* 2020
 - H. R. Ansari and **M. Behnam T.**, "Optimization and development of the RF MEMS structures for low voltage, high isolation and low stress", *Analog Integrated Circuits and Signal Processing Journal* Oct. 2019
 - S. Heravian, N. Nouri, **M. Behnam T.** and S. M. S. Seyedkashi, "Implementation of Eye Tracking in an IoT-Based Smart Home for Spinal Cord Injury Patients", *Modern Care Journal* Oct. 2019
 - N. Nouri, **M. Behnam T.** and S. M. S. Seyedkashi, "Designing of an Eye Tracking Intelligent Command System for People with Spinal Cord Injuries", *1st Conference on Healthcare Computing Systems and Technologies CHEST 2019*
 - K. Shojaee G., H. Shakouri G., **M. Behnam T.**, "Importance of the Initial Conditions and the Time Schedule in the Simulated Annealing", *Book Chapter 12 of the Book: "Simulated Annealing, Theory with Applications", Published by SCIYO, pp. 217-234, ISBN 978-953-307-134-3* Aug. 2010
 - K. Shojaee, **M. Behnam T.**, S. M. S. Seyedkashi and K. Shojaii, "Dynamic Local Search Algorithm for Solving Traveling Salesman Problem", *The Fourth International Conference on Advanced Engineering Computing and Applications in Sciences (ADVCOMP 2010), Florance, Italy, pp.53-58* Oct. 2010
 - M. Dashti, K. Shojaee G., S. M. S. Seyedkashi, **M. Behnam T.**, "Novel Simulated Annealing Algorithm in order to Optimal Adjustment of Digital PID Controller", *11th International Conference on Control, Automation, Robotics and Vision (ICARCV 2010), Singapor* Dec. 2010
 - K. Shojaee G., **M. Behnam T.**, H. Shakouri G., M. Rezaei, "Enhancement of SA Algorithm by Intelligent Time Schedule", *Proceedings of the 29th Chinese Control Conference, Beijing, China, pp. 1768-1774* Jul. 2010
 - M. Dashti, K. Shojaee G., S. M. S. Seyedkashi, **M. Behnam T.**, "Tuning of Digital PID Controller Using Particle Swarm Optimization", *Proceedings of the 29th Chinese Control Conference, Beijing, China, pp. 3383-3389* Jul. 2010
 - K. Shojaee G., **M. Behnam T.**, H. Shakouri G., "Enhancement of SA Algorithm by Intelligent Initialization, Cooling Schedule and Freezing", *ICEE 2010 Conference (IEEE), Isfahan, Iran* May 2010
 - H. Shakouri G., K. Shojaee G., **M. Behnam T.**, "Investigation on the choice of the initial temperature in the Simulated Annealing: A Mushy State SA for TSP", *17th Mediterranean Conference on Control & Automation, Thessaloniki, Greece, pp. 1050-1055* Jun. 2009
 - H. Shakouri G., K. Shojaee G., **M. Behnam T.**, "The Wise Experiencing Traveling Salesman (WETS): Introduction to a simple evolutionary solution for the problem", *IEEE Congress on Evolutionary Computation (CEC 2009), Trondheim, Norway, pp. 771-776* May 2009
- **Conferences:**
- G. F. Samsim, **M. Behnam Taghadosi**, "Final-Meeting Room Temperature Based Fan Speed Control System; Prototype Design and Development", *the first international conference of the role of engineering in the future relations between Iran and Iraq* 2022
 - H. Nikpey, **M. Behnam Taghadosi**, "Magnetic Suspension Systems and Application in the Transport Fleet", *the Second International Conference on New Research in Electrical, Computer, Mechanical and Mechatronics Engineering in Iran and the Islamic World* 2021
 - M. Dehghani Tafti, H. Kobravi, **M. Behnam Taghadosi**, "Pressure control of hyperbaric devices using self-tuning PID fuzzy controller", *4th National Conference on Applied Research in Electrical, Mechanical, Computer and Information Technology Engineering, Shiraz University, September* 2016
 - M. Vaqefi, M. Ghodsian, **M. Behnam Taghadosi**, "Introduction of a new device for measuring bed profile", *Journal of Imran Modarres, Volume 11, Number 1, pp. 92-85* 2011



- **M. Behnam Taghadosi**, "Design of Optimal Fuzzy Optimally Low Controller for an Acrobat System", 7th Iran Intelligent Systems Conference 2005
- **M. Behnam Taghadosi**, V. Johari Majd, "Real-time design of fuzzy predictor anti-lock braking system", 5th Iranian Fuzzy Systems Conference 2004
- **M. Behnam Taghadosi**, V. Johari Majd, "Design of an adaptive real-time fuzzy controller for anti-slip braking system", Top Article of the 6th Iranian Intelligent Systems Conference 2004

Certificates

- PLC I International Certificate (S7-300)
- PLC II International Certificate (S7-300)
- PLC III International Certificate (S7-300)

Join the forums

- Official member of the Association of Knowledge-Based Companies of Khorasan Razavi 2020 so far
- Member of Khorasan Razavi Accelerators Association 2020 so far
- Member of Risk Investors Association of Khorasan Razavi Province 2020 so far
- Member of Khorasan Engineering System Organization 2007 so far
- Associate member of Iranian Fuzzy Systems Association 2004 so far

Skills

- **Language skills**
- English: international IELTS certificate with a score of 6