

# Parvaneh Esmaili

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## Education:

PhD, Computer Science, Universiti Teknologi Malaysia, (2012-2016).

“Adaptive Optimal Neural Network Based Sliding Mode Control for Synchronization of Two Robot Manipulators”, Supervisor: Prof. Dr. Habibillah Haron.

Master degree, Computer Engineering, Hardware Engineering, Islamic Azad University. (2008-2011)

“Design a Controller for Cooperative Two Robot Manipulators to Handle an Object” ,Supervisor: Prof. Dr. Sohrab Khanmohammadi.

Bachelor degree, Computer Engineering, Software Engineering, Tabriz Islamic Azad University,Iran (2002-2007).

## Experience:

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| 2012-2014   | Research Assistant, Universiti Teknologi Malaysia, Faculty of Computing, Department of Computer Science. |
| 2010-2011   | Lecturer , University College of Science and Technology  |
| 2010-2011   | Lecturer, Azad University Iran Naghadeh branch, West-Azerbaijan, Iran                                    |
| 2010-2011   | Lecturer , Azad University Iran Orumia branch, West-Azerbaijan, Iran                                     |
| 2009-2011   | Computer expert, Urum Kara Pardazan Shayan Computer Company, Urima,Iran                                  |
| 2010 – 2011 | Computer expert, MASKAN bANK, Urima,Iran   |
| 2009-2011   | Lecturer, Institute of Applied Science Technology Jihad Daneshgahi Urmia                                 |

2009-2011            Lecturer, PAYAM NOOR University Iran Naghadeh branch, West-Azerbaijan, Iran

**Research Interests:**

Multi-robot manipulators, Hybrid Systems and Control, synchronization control, formation control, LPV and LTI control system, consensus methods, Soft computing methods such as Fuzzy, Neural network, Genetic, heuristic optimization methods, Adaptive robust controllers, robotic arms, grasping and uncertainties.

**Publications:**

Adaptive synchronous artificial neural network based PI-type sliding mode control on two robot manipulators 2015 International Conference on Computer, Communication, and Control Technology, IEEE explorer, kuching, Sarawak, 21- 23 April 2015.

ANFIS based intelligent synchronization control on multi robot manipulators, has been selected for a publication in Springer Book Chapter in Communications in Computer and Information Science (CCIS), springer, 2015.

Intelligent synchronization tool using ANFIS for multi robot manipulators, The 13<sup>th</sup> International Conference on Intelligent Software Methodologies, Tools, and Techniques (SOMET-14), Langkawi, Malaysia, 22-24 September 2014.

Artificial neural network based prediction model of the sliding mode control in coordinating two robot manipulators, in the Lecturer Notes Artificial Intelligent, Springer, 2014.

Modeling of two cooperative manipulators to handle an object, International Journal of Engineering Research & Technology (IJERT) Vol. 2 Issue 1, January- 2013 ISSN: 2278-0181.

Modeling the behavior of Cooperative material handling robots, Applied Mathematics and Informatics, ISBN: 978-960-474-260-8, Athens, GREECE, 2010.

**Award:**

Awarded with Grant with Ref No. UTM/RMC/F/0126 in Universiti Teknologi Malaysia.

Awarded by International Doctoral Fellowship in Universiti Teknologi Malaysia.

The Best paper in the 13<sup>th</sup> International Conference on Intelligent Software Methodologies, Langkawi, Malaysia, September 22-24, 2014.

**Review papers as jury for following journals:**

Journal of Intelligent and Robotic systems

International Journal of Systems Science, Taylor & Francis

IEEE Transaction on Cybernetics

IEEE Transaction on Industrial Electronics

**Workshop And Training Courses:**

3<sup>rd</sup>, March 2013: Workshop of how to publish in journal organized by Academic Department of International Student Society-Central of Universiti Teknologi Malaysia.

3<sup>rd</sup>, March 2013: Workshop of thesis and paper writing organized by Academic Department of International Student Society-Central of Universiti Teknologi Malaysia.

24<sup>th</sup>, February 2013: Autocad 2D workshop organized by Academic Department of International Student Society-Central of Universiti Teknologi Malaysia.