

List of Awards Received by: Professor Ali Meghdari

AWARDS, SCHOLARSHIPS, AND INVENTIONS

- Recipient of "ICSR 2014 Best Paper Award" at the 6th Int. Conf. on Social Robotics, Sydney, Australia. 10/2014
- Recipient of the Allameh Tabatabaee Distinguished Professorship Award for Excellence in Teaching and Research by the National Elite Foundation of Iran. 03/2012
- Recipient of the Distinguished Award for Activities of the Center of Excellence in Design, Robotics & Automation, By the Ministry of Science, Research and Technology, 12/2009
- Recipient of "DAAAM International Oral Presentation Award" at the "17th DAAAM International Conference and Symposium" Vienna, Austria. 11/2006
- Recipient of "the 40th Anniversary Silver Coin and Award of Appreciation of the Sharif University of Technology" as an Exemplary Researcher, Tehran, Iran. 3/2005
- Recipient of the Distinguished Professor of Mechanical Engineering Award, By the Iranian Society of Mechanical Engineers (ISME), Isfahan, Iran. 4/2004
- Recipient of 2nd Place Award at the "Real Resque Robot League" of the 7th International RoboCup Competitions & Conferences, RoboCup2003, *Award Winning Paper*, <http://www.scribd.com/doc/7129518/Cedra-Awardee-Paper>, Padova, Italy. 7/2003
- Recipient of the MIT's Learning International Networks Consortium (*LINC*) Travel Award to present a speech on Sharif Virtual University at the Center for Advanced Educational Services, Massachusetts Institute of Technology, Boston, USA. (Travel Award: \$2000). 2/2003
- Recipient of the TIT Centennial Commemorative International Academic Grant to visit the Tokyo Institute of Technology, Tokyo, Japan. (Travel Award: 301,500 Yen). 3/2003
- Recipient of the Distinguished Professor of Mechanical Engineering Award, By the Ministry of Science, Research and Technology, Iran. 2002
- Prize Recipient as an Exemplary Researcher, Sharif University of Technology, Iran. 2001
- Recipient of the 1997 *ISESCO* Prize in Technology (\$5000 + Travel Award) for Outstanding Achievements in Research & Education in Technology; among nominees from Islamic Nations. *ISESCO: Islamic Educational, Scientific & Cultural Organization, Rabat, Morocco.* 1998
- Iranian Society of Mechanical Engineers (ISME) Award for Supervising the best M.Sc. Thesis in Mech. Engr. during 1997-98 academic year in Iran; entitled "Design and Fabrication of a Series of Modular Robotics Grippers Equipped with a Quick-Change System", Iran. 1998
- Listed in: Who is Who in the World, 15th Ed., USA. 1998
- Mechanical Engineering Exemplary Professorship Award, S.U.T., Iran. 1996
- Research Prize recipient from Sharif University of Technology, Iran. 1995
- Prize recipient from the Supreme Council on Scientific Research, Iran. 1991
- Prize Recipient as an Exemplary Researcher, Sharif University of Technology, Iran. 1990
- Y.C. HSU Memorial Award (\$750) for Excellence in Graduate Work, USA. 1987
- Universal Oil Scholarship (\$1200), USA. 1980
- International Work Scholarship (\$500), USA. 1980
- Reader's Digest Scholarship (\$1000), USA. 1979
- "Geometric Adaptability in Artificial & Cybernetic Hands", IPO:No. 24220, Iran. 12/23/1990
- "Dual-Arm Cam-Lock Manipulators", US Patent pending, UC#93-353-1, USA. 11/9/1993
- "Design and Fabrication of a Knotting Mechanism to Duplicate Traditional Persian Carpet Weaving", Iranian Patent Office (pending), Iran. 2/10/1995
- "A Novel Design in Quick-Change Systems", Iranian Patent Office. 1/12/1997
- "Design, Fabrication, and Calibration of a Robotic Device for Lumbar Muscles Power Measurement", Owners: Mr. Azghani; Dr. Farahmand; Dr. Parnianpour; Dr. Meghdari; Mr. Farzampour.

- Iranian Patent Office, Patent Invention Book No. 59668. 6/26/2009
- "A Mobile Holonomic Robot with Spherical Wheels", Owners: Mr. Beigzadeh; Mr. Monjazebeh; Mr. Taheri; Dr. Meghdari, Iranian Patent Office, Patent Invention Book No. 67938. 12/14/2010
- "Design and Application of Humanoid Robots in 1st and 2nd Language Teaching", Owners: Dr. Alemi, Dr. Meghdari, Ms. Ghazisaedi, Mr. Taheri, Iranian Patent Office Invention No. 80841. 10/12/2012
- "Driver and Controller of an Educational Manipulator along with its Interface", Owners, Mr. Naseri, Dr. Meghdari, Iranian Patent Office Invention No. 80792. 10/6/2012

MEMBERSHIPS

- Member of the Elites Council (National Elites Foundation), Iran. 7/2015-present
- Member of the Board: Robotics Society of Iran (*RSI*), Iran. 5/2011-present
- Member of the Board: Iranian Society of Engineering Education (*ISEE*), Iran. 9/2010-9/2014
- Member: Editorial Advisory Board, Iranian Journal of Engineering Education. 9/2009-present
- Member: Board of Editors, Int. Journal of Robotics. 9/2008-present
- Member: Board of Editors, Int. Journal of Advanced Robotics Systems (*ARS*). 1/2005-present
- Member: Academy of Sciences of the I. R. of Iran. 5/2005-present
- Member: Board of Editors, Int. Journal of Mechanics and Solids(*IJMS*). 11/2004-present
- Member: Board of Editors, *SCIENTIA IRANICA Int. Journal*. 1/2003-present
- Member: Editorial Advisory Board, *ISME Journal of Mechanical Eng.* 1/2002-present
- Member: Iranain Construction Engineers Organization, Tehran. 3/2001-present
- Member: Editorial Advisory Board, Int. Journal of Engineering. 8/1988-present
- Member: Editorial Board, Sharif Journal of Science & Research. 9/1992-present
- Member: The Tau-Beta-Pi ($\tau\beta\pi$) National Engineering Honor Society, USA. Life-Time
- Fellow: American Society of Mechanical Engineers (*ASME*), USA. 9/2001-present
- Member: *IEEE Int. Workshop on Haptic Applications (HAVE2009)*, CANADA 5/2008-12/2009
- Member: *IASTED Technical Committee on Robotics*, CANADA 5/2001-5/2004
- Member: Int. Sci. Com., World Manufacturing Congress, WMC'99, and WMC'2001, 1998-2001
- Member: Iranian Society of Mechanical Engineers (*ISME*), Iran. 10/1991-present
- Reviewer: Iranian Journal of Science & Technology, Shiraz, Iran.
- Reviewer: *ASME Journal of Mechanical Design*, USA.
- Reviewer: 1994 & 1995 *IEEE Int. Conf. on Robotics & Automation*, USA & JAPAN.
- Reviewer: *Journal of Robotics Systems*, John Wiley & Sons, USA.
- Reviewer: *Journal of Intelligent & Robotics Systems*, Kluwer Academic Pub., The Netherlands.

GRANTS & FUNDED RESEARCH

- ◆ From the Office of Research and Industrial Relations, Sharif University of Technology & Ministry of Culture and Higher Education, Tehran, Iran.
 - Principal Investigator, "Design and Fabrication of the Sharif Artificial Hand", Grant # SAH-FY-67-69, (Rials 5,000,000), 9/1988-9/1990.
 - Principal Coordinator, "Establishment of the 1st Robotics & Biomechanics Research Laboratories in Iran", Grant # R/BIO-68-70, (\$ 60,000), 8/1989-8/1991.
 - Principal Investigator, "Dynamics and Control Analysis of Flexible Manipulator Arms", Grant # DCAF-FY-70-71, (Rials 8,000,000), 3/1991-6/1992.
 - Principal Investigator, "Developing Artificial Muscles for Biomedical Applications", Grant # DAMBA-FY-71-72, (Rials 8,000,000), 2/1992-2/1993.
 - Principal Investigator, "Robotics & Automation of the Traditional Persian Carpet Weaving", Grant # RATPCW-FY-73-74, (Rials 8,000,000), 4/1994-4/1996.

- Principal Investigator, "Investigation and Development of Dynamic Decoupling Techniques for Flexible Multi-Body Systems", G# IDTFMBS-FY-74-76,(Rials 20,000,000), 4/1995-4/1997.
- Principal Investigator, "Kinematics & Dynamics Modeling, and Control of a Robot Attached on a Moving Base",G# KDMCRAMP-FY-76-79,(Rials 25,000,000), 3/1997-3/2000.
- Principal Investigator, "On the Design and Fabrication of a Hospital Nursing Robot", Grant # ODFHNR-FY-77-78, (Rials 10,000,000), 3/1998-9/1999.
- Principal Investigator, "Dynamics Modeling and Analysis of the Knee Joint", Grant # DMAKJ-FY-79-81, (Rials 75,000,000), 9/2000-3/2002.
- ◆ From the Advanced Manufacturing Engineering Research Center, Azadi Ave, Tehran, Iran.
 - Principal Investigator, "Design and Fabrication of a System of Modular Robotics Grippers Equipped with A Quick Change System", Contract # AMERC-DFSMG-FY-74-76, (Rials 60,000,000), 12/1995-6/1997.
 - Co-Principal Investigator, "Design and Fabrication of an Underwater Remotely Operated Vehicle (ROV)", Contract # AMERC-DFUROV-FY-80-81, (Rials 60,000,000 + US\$10,000), 3/2001-9/2002.
- ◆ From the Ministry of Science, Research, and Technology, Nejaatallaahi Ave, Tehran, Iran.
 - Director; "Development of a Center of Excellence in Design, Robotics, and Automation", Contract # CEDRA-FY-79-82, (Rials 1,200,000,000), 3/2001-3/2004.
- ◆ From the World Health Organization (*WHO*) and the Islamic Educational, Scientific & Cultural Organization (*ISESCO*), Cairo, Egypt, (contributing to an ongoing project).
 - Principal Investigator, "Design and Fabrication of a Robotic Nurse Unit to Assist Paraplegic Patients", Contract # O/Ref.D/Sc/3.1.2.1.17/6973, (\$ 2,500), 12/2001-12/2002.
- ◆ From the Industrial Development and Renovation Organization of Iran (IDRO), Tehran, Iran.
 - Principal Investigator; "Design and Fabrication of a Series of Mobile Rescue Robots for Earthquake Applications", Contract # 82/51065, (Rials 1,100,000,000), 2/2004-2/2005.
- ◆ From the TAM Automotive Research Industries (Iran Khodro Coporation), Tehran, Iran.
 - Principal Investigator; "Design and Fabrication of a Model Humanoid Robot for Robocup Competitions", Contract #TAM-CEDRA-FY-82, (Rials 200,000,000), 1/2004-1/2005.
- ◆ From the Iranian National Science Foundation (INSF), Tehran, Iran.
 - Principal Investigator with Prof. Saeed Sohrabpour as Co-PI; "Dynamic Modeling and Analysis of Running in Humanoid Robots", Contract # 84084/8, (Rials 200,000,000), 3/2006-3/2008.
 - Principal Investigator; "Design, Modeling and Simulation of a Corpse Washing Machine (Ghassalkhaneh) Compatible with Islamic Shari'ah", Contract # 89084/8, (Rials 200,000,000), 12/2010-12/2011.
 - Principal Investigator; "Modeling and Motion Analysis of a Mobile Nano-Robot using Molecular Dynamics", Contract # 06/2014, (Rials 200,000,000), 12/2014-12/2015.
- ◆ From the National Elites Foundation of Iran (BMN), Tehran, Iran.
 - "Robotics Systems" Chair Professorship Research Grant, (Rials 500,000,000), 3/2012-3/2014.
- ◆ From the Cognitive Sciences and Technologies Council (COGC), Tehran, Iran.
 - Principal Investigator with Dr. Minoos Alemi as Co-PI; "Modeling and Clinical Application of Humanoid Robots as Assistants in Autism Therapy in Iran", Contract #203646, (Rials 570,000,000), 3/2014-3/2016.
- ◆ From the Iran's Vice-Presidency for Science and Technology, Tehran, Iran.
 - Principal Investigator with Dr. Minoos Alemi as Co-PI; "Enhancement of the Social Robotics Laboratory for Clinical Applications of Social Robots in Pediatric Cancer Interventions", Contract #11/62708, (Rials 1,000,000,000), 12/2014-6/2015.