

Publications of Professor
“ALI MEGHDARI”
Sharif University of Technology
Tehran, IRAN

Books and Proceedings

- "Introduction to Robotics: Mechanics and Control"**, New York: Addison-Wesley Pub. Co., By: J. J. Craig, 1989.
- [1] • **Authorized Translation into Persian**, By: **A. Meghdari** & F. Mirfakhraee, S.U.T. Press, Tehran, 1st Print; **1996**, 2nd Print; **1998**, 3rd Print **2005**.
Proceedings of the “7th Annual ISME Conference”, April 14-16, **1999**, Zahedan, **Iran**.
- [2] • **Volume Three: “Dynamical Systems and Vibration, Biomechanics, and Manufacturing”**, Edited By: A. Farzad, **A. Meghdari**, M. Haghpanahi
Proceedings of the "International Conference on Engineering Applications of Mechanics", June 9-12, **1992**, Tehran, **Iran**.
- [3] • **Volume One: “Biomechanics/Robotics and Manufacturing/Artificial Intelligence/Control”**, Edited By: **A. Meghdari**
- [4] • **Volume Two: “Finite Elements/Vehicle Dynamics/Vibrations/Elasticity/Materials”**, Edited By: **A. Meghdari**, E. Esmailzadeh
- [5] • **Volume Three: “Heat and Mass Transfer/Fluid Mechanics/Energy Conversion”**, Edited By: M. S. Sadeghipour, M. N. Bahadori, **A. Meghdari**
- [6] **"Elastic Deformation Characteristics and Constitutive Equations of Light-Weight Flexible Manipulators"**, By: **A. Meghdari**, Publisher: **University Microfilms International**, **1990**, **USA**.

Technical Reports

- **"Sharif Artificial Hand: Design and Fabrication"**, By: A. Meghdari, Technical Report (in Persian), December **1990**, Sharif University of Technology, Tehran, **Iran**.
- **"Studies on Dynamics & Control of Flexible Manipulator Arms"**, By: A. Meghdari, Technical Report (in Persian), June **1992**, Sharif University of Technology, Tehran, **Iran**.
- **"Preliminary Studies, Designs, and Fabrication of Artificial Muscles"**, By: A. Meghdari, Technical Report (in Persian), February **1993**, Sharif University of Technology, Tehran, **Iran**.
- **"Smart Materials: Structures and Applications"**, By: A. Meghdari, Technical Report, AHMCT-TR-9306-01, June **1993**, University of California, Davis, CA., 95616, **USA**.
- **"The Dual-Arm Cam-Lock Manipulator"**, By: A. Meghdari, Technical Report, UCD-ARR-94-01-31-02, January **1994**, University of California, Davis, CA. 95616, **USA**.
- **"Telerobotics for Highway Maintenance & Construction"**, By: A. Meghdari, and B. Ravani, Technical Report, UCD-ARR-94-02-10-01, February **1994**, University of California- Davis, CA. **USA**.
- **"Design and Fabrication of a Series of Robotics Grippers Equipped with a Quick-Change System"**, By: A. Meghdari, Technical Report, AMRC-97-10-01-03, October **1997**, Advanced Manufacturing Engineering Research Center, Tehran, **Iran**.
- **"On the Economic Dispatch of Loads between Generators in an Electric Power System"**, By: R. Shoureshi, and A. Meghdari, ACEPS Technical Report, December 17, **1999**, Advanced Control of Energy and Power Systems, Division of Engineering, Colorado School of Mines, Golden, CO.80401, **USA**.
- **"On the Design and Fabrication of an Industrial Rescue Robotics System"**, By: A. Meghdari, S.

Bagheri, F. Amiri, S. H. Mahboobi, Y. Khalighi, H. N. Pishkenari, A. Lotfi, M. Moeini, H.R. Aalemohamad, et. al., **Industrial Development and Renovation Organization of Iran (IDRO) & Center of Excellence in Design, Robotics & Automation**, Technical Report, **November 2004, Iran**.

- **“On the Design and Fabrication of a 23-DOF Humanoid Robot”**, By: A. Meghdari, S.A. Nezamaddini, E. Basafa, Z. Heydari, et. al., **IranKhodro/TAM Co. & Center of Excellence in Design, Robotics and Automation**, Technical Report, **August 2004, Iran**.
- **“Dynamic Modeling and Analysis of Running in Humanoid Robots”**, By: A. Meghdari, S. Sohrabpour, **Iranian National Science Foundation (INSF)**, Technical Report, **March 2008**.

BOOK REVIEWS

- **Dynamics**; By: N. Tabandeh, Tehran University Press, November 1995.
- **Vector Dynamics**; By: N. Tabandeh, Tehran University Press, June 1996.