

Publications of Professor
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Books and Proceedings

- [1] "Introduction to Robotics: Mechanics and Control", New York: Prentice Hall Pub. Co., By: J. J. Craig, **3rd Edition, 2005.**
- Authorized Translation into Persian, By: **A. Meghdari**, F. Mirfakhraee, M. Akrami, E. Shojaei, S.U.T. Press, Tehran, 1st Print; **2009.**
- [2] "Introduction to Robotics: Mechanics and Control", New York: Addison-Wesley Pub. Co., By: J. J. Craig, **2nd Edition, 1989.**
- 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.
- [3] • **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.**
- [4] • **Volume One:** “Biomechanics/Robotics and Manufacturing/Artificial Intelligence/Control”,
Edited By: **A. Meghdari**
- [5] • **Volume Two:** “Finite Elements/Vehicle Dynamics/Vibrations/Elasticity/Materials”,
Edited By: **A. Meghdari**, E. Esmailzadeh
- [6] • **Volume Three:** “Heat and Mass Transfer/Fluid Mechanics/Energy Conversion”,
Edited By: M. S. Sadeghipour, M. N. Bahadori, **A. Meghdari**
- [7] "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.**
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- "Preliminary Studies, Designs, and Fabrication of Artificial Muscles", By: A. Meghdari,

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- "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**,

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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) &

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- "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, and 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**.