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Hamid-Reza Chabok

Personal Information

- **Marital status:** Single
- **Nationality:** Iranian
- **Date of Birth:** Sep. 6th, 1977
- **Gender:** Male
- Exempt from military service

Education

- **2000-2003 M.Sc in Manufacturing Engineering**
[Sharif University of Technology](#), Tehran, Iran
Grade Point Average: 17.65 out of 20
- **1995-2000 B.Sc. in Mechanical Engineering (Manufacturing)**
[Amir-Kabir University of Technology \(Polytechnic University of Tehran\)](#), Tehran, Iran
Grade Point Average: 16.77 out of 20
- **1990-1994 Mathematics Diplomas**
Jalale-ale Ahmad, First high school Alumni, Tehran, Iran.
Grade Point Average: 18.82 out of 20

Honors

- Selected in “**National Physics Olympiad**”, (1992)
- Selected as **Distinguished student** in Shemiran, First province of Tehran, Iran, (1994)
- Ranked **39th** among nearly **450’000** participants in the Nation-wide UEE (University Entrance Exam) for B.Sc. Degree, (1995)
- Ranked **2nd** among **103** Mech. Eng. students of the department, (1999)
- Ranked **5th** among nearly **10’000** participants in the Nation-wide UEE (University Entrance Exam) for M.Sc degree in Mechanical Engineering, (2000)

Scientific Papers

1. **Chabok H. R.**, Eshraghi, M. R., Ghorbani R. “Development of a Hardware-In-The-Loop Simulation for Control of an Automated Manual Transmission System (AMT)”, presented in the 11th Int. Conf. on Mechanical Engineering, Mashad, 2003.
2. S. M. Rezaei, **H. R. Chabok**, “ Test, dimensioning control and calibration of special machine tools” presented in the 2nd student conference of Iranian Society of Mech. Eng., Tehran, Iran, October, 2001
3. **H. R. Chabok**, M. Hajibabaei, M. Khalilabadi, “Design and fabrication of an ultrasonic drilling with piezoelectric approach”, Ofogh -Scientific magazine of Mech. Eng. Department of Polytechnic university of Tehran, No.4, 2000
4. **Hamid R. Chabok**, E. Enjilela, “Improvement in Peugeot 405 and Paykan valve spring design”, presented in the 1st International Conference of Combustion Engines, Tehran, Iran, 2003. (In Persian)
5. **H. R. Chabok**, R. Yousefi, “Design, fabrication and experimental results of a 5-DOF Master/Slave Manipulator”, Center of Excellence in Design, Robotics and Automation (CEDRA), Submitted to the proceedings of the 13th International Conference of the Iranian Society of Mechanical Engineering, Isfahan University of Technology, Isfahan, Iran, April, 2005.
6. E. Vakil, P. Golzad, **H. R. Chabok**, “Application of master/slave manipulators in space teleoperation”, Presented in the 5th student conference of electrical engineering (ISCEE), Shiraz, Iran, 2002.

Academic Work Experiences

- Teaching the course “Linear Control”, Air University, Tehran, Iran, Spring Semester, 2004
- Teaching the course “Strength of Materials”, Air University, Tehran, Iran, Fall Semester, 2003
- Supervisor and research member of “ Center of Excellence in Design, Robotics and Automation”, Sharif university of Technology, Fall 2001 up to Spring, 2003
- Research Assistant in “PLC, Hydraulic and Pneumatic Lab.” Polytechnic University of Tehran (Amir-Kabir University of technology), Fall Semester, 1999

- Teaching Assistant for the course “Management”, (Presented in English, MBA faculty), Sharif university of technology, Tehran, Iran, Fall Semester, 2001
- Teaching Assistant for the course “Communication in Management”, (MBA Faculty), Sharif university of technology, Tehran, Iran, Both Semester, 2001
- Teaching Assistant for the course “Management and Industrial Economics”, Sharif university of technology, Tehran, Iran, Fall Semester, 2001
- Teaching Assistant for the course “Hydraulics & Pneumatics”, Polytechnic University of Tehran (Amir-Kabir University of technology), Tehran, Iran, Fall Semester, 1999
- Teaching Assistant for the course “Static”, Polytechnic University of Tehran (Amir-Kabir University of technology), Tehran, Iran, Spring Semester, 1998
- Workshop on “Application of rapid-prototyping by use of CAD/CAM in car industry”, 2nd student conference of Electrical engineering, Polytechnic university of Tehran, Iran 1999
- Seminar on “Test and Calibration of special machine tools”, Azad university, Tehran, Iran, 2003.

Academic Accomplishments

- **“Design and Fabrication of a 5-DOF Master-Slave Manipulator”**, supervisor: [Dr. A. Meghdari](#), **M.Sc. Thesis.**
- **“Test and Calibration of Special Machine Tools”** supervisor: [Dr. M.Reza'ei](#), **B.Sc. Thesis.** (It is done -testing and calibration- on over than 58 special machine tools in “Mehvarsazan -e- Iran-Khodro Co.”, 1999-2000)
- **“Design and fabrication of a prototype of AMT gearbox for PEAGEOT 206 vehicle”**, supervisor: [Dr M. H. Yas](#), Research & development Project
- **“Improvement in design of metallic Fastenings in SMC products”** supervisor: [Dr. F. Kaymaram](#)
- Taking part in **“A Short Course On: Vibration-Control Systems: Conceptual Design, Recent Developments and Practical Implementation”**
July 2003
[Dr. Nader Jalili](#)
ASME Vibration and Noise Control Panel
Clemson University,
Clemson, South Carolina 29634-0921, U. S. A.

Industrial Experiences

- 30/6/2003 up to now, Engineering & Research Organization, [Nirou-Mohareke Industrial Co.](#) (NMI), Argentine Sq., Tehran, Iran. (Factory: Qazvin, Iran)
Phone: +98(21) 8755597 to 9
Fax: +98(21) 8755596
Email: engineering@nmir.com
 - Supervisor of some branches and research member of Automated Manual Transmission (AMT) team. Managing, control and technical support of specified sub-branches worked for this 4-million dollar project.
 - Research on Contentious Variable Transmission (CVT) gearboxes
- 09/2000-02/2003, **ARSH Mfg. Co.**, Tehran, Iran
 - Draftsman and Supervisor of a full construction project (1 million dollar project), (2000-2003).
- 07/2001-09/2001, **MANGAN Mfg. Co.**, Tehran, Iran.
 - Manufacturing tower cranes, used in Ship disembark
 - Engineer in manufacturing department of the cranes that was in cooperation with KONE Co. Finland.
- 02/1999-10/1999, **Tehran Industry & System Engineering Co.**, Yousef-abad Ave., Tehran, Iran.
 - Perform Tests for about 30 special machine tools In “Mehvarsazane-Iran Khodro Co.” to increase quality of products (Rear axel components of car).
- 02/1998–10/1999, **Scientific & Industrial Services of Tehran province Co.**, 9th Km of Karaj specific road, Tehran, Iran
 - Expert’s mate.
 - Industrial teacher assistant, troubleshooting and technical consulting of small factories have contraction with **SAPCO (Iran-Khodro Part Supplier)**. About 63 factory has been visited and consulted.

- 1990 up to now, **Chabok Technical Institution**, Ekhtyarie, Pasdaran Ave., Tehran, Iran.
 - Repair man. Seasonal.
- * Working either as a supervisor or as a project team member

Research Interests	<ul style="list-style-type: none"> • Manufacturing Systems & Optimization • Nano-Science & Technology • Robotics & Automation • Internet-based Design and Manufacturing • Intelligent Manufacturing Systems • Control & Vibration • Advanced Methods in Metrology and Measuring Systems • Microsystems (e.g. MEMS, etc)
Computer and Programming Skills	<p>Good work experience with</p> <ul style="list-style-type: none"> • General software such as: MATLAB/Simulink, Maple, 3D studio max, Office family • Special packages such as: ADAMS, Mechanical Desktop, CATIA, ANSYS, and ABAQUS.
References	<ol style="list-style-type: none"> (1) Dr. A. Meghdari, Distinguished Professor Sharif University of Technology Tehran, Iran E-mail: meghdari@sharif.edu (2) Dr. M. Rezaei Associated Professor Amir-Kabir University of Technology (Polytechnic University of Tehran) Tehran, Iran E-mail: smrezaei@cic.aut.ac.ir (3) Dr. F. Kaymaram, Assistant Professor Sharif University of Technology Tehran, Iran E-mail: Kaymaram@sharif.edu (4) Dr. R. Yousefi, Assistant Professor Sharif University of Technology Tehran, Iran E-mail: yousefi@sharif.edu (5) Dr. M. H. Yas, Assistant Professor, Raazi University, Kermanshah, Iran E-mail: m_h_yas@yahoo.com

>> Additional information available upon request