

PERSONAL INFORMATION:

Name: Dr. Mehdi Zohoor
Position: University Faculty Member, Associate Professor
Address: No. 7, Faculty of Mechanical Engineering,
K. N. Toosi University of Technology, Pardis Street,
Mollasadra Avenue, Vanak Square, Tehran, Iran.
Post-Code: 1999143344, P. O. Box: 19395-1999
Tel.: (+98) 21-84063223, Fax: (+98) 21-88674748
Cell Phone: (+98) 912-1275912 (Mobile)
E-mail: mzohoor@kntu.ac.ir , mehdizohoor@gmail.com



EDUCATION:

- B.E. in Mechanical Engineering, Bangalore University, Bangalore, India, 1979.
- M.Sc. in Machine Tool and Manufacturing Technology, Birmingham University, Birmingham, England, 1986.
- Ph.D. in Manufacturing and Mechanical Engineering, Birmingham University, Birmingham, England, 1992.

LANGUAGES SKILLS:

- Persian: Fluent in reading, writing and speaking.
- English: Fluent in reading, writing and speaking.

INDUSTRIAL EXPERIENCE:

- Technical Manager and Vice Factory Manager at Tebed Textile Co. in Iran, from 1979 till 1984.

CONSULTING EXPERIENCE:

- Advisor in Research Centre of Railway of Islamic Republic of Iran, from 1994 till 1996.

MEMBERSHIP IN SOCIETIES:

- A founding member of Society of Manufacturing Engineering of Iran.

TEACHING EXPERIENCIES:

- Teaching over 4 years courses such as Information Technology and Compressive Test in scientific workshops at University, College and Institute in England (from 1987 till 1991).
- Teaching over 20 years in graduate and postgraduate engineering courses at different Universities in Iran (from 1993 till now).

Main Graduate Engineering Subjects:

(1) Production Methods and Workshop; (2) Modern Manufacturing Processes; (3) Computer Aided Machine Design; (4) Machine Tool Design; (5) Strength of Materials; (6) Statics; (7) Advanced measurement Systems; (8) Measurement and Quality Control (9) Design of Jigs and Fixtures; (10) Die Design; (11) Numerical Control; (12) Mechanical Assembly.

Main Postgraduate Engineering Subjects:

(1) Automation in Manufacturing; (2) Metalworking (Metalforming); (3) Industrial Manufacturing Systems; (4) Finite Element Method; (5) Forging; (6) Computer Aided Design and Manufacturing Systems.

RESEARCH EXPERIENCIES:

- Supervisor of 68 B.Sc. final projects (Finished).
- Supervisor of 4 B.Sc. final projects (In Progress).
- Supervisor and Advisor of 72 M.Sc. theses (Finished)
- Supervisor of 13 M.Sc. theses (In Progress)
- Supervisor of 1 Ph.D. Dissertation (Finished).
- Supervisor of 6 Ph.D. Dissertation (In Progress).

WORKSHOP EXPERIENCIES:

- Participated in Fourth Training Workshop on Measurement Technology for Developing Countries, National Institute of Metrology and State Science, Beijing, China, August 12-22, 1997.
- Participated in Sixth Training Workshop on Measurement Technology for Developing Countries, National Institute of Metrology and Ministry of Science and Technology of the People's Republic of China, Beijing, China, September 6-17, 1999.

PUBLICATIONS IN JOURNALS AND PROCEEDINGS:

- 24 articles in scientific national, ISC and ISI journals.
- 56 papers in national and international conferences.

BOOKS PUBLISHED:

- (1) Dr. Mehdi Zohoor, "Technology and Production Processes", First Edition, 2001, Second Edition, 2008, Third Edition 2013, K. N. Toosi University Press.
- (2) Dr. Mehdi Zohoor, "Metalworking", First Edition, 2006, Second Edition, 2008, K. N. Toosi University Press.
- (3) Dr. Mehdi Zohoor, "Automation and Manufacturing Processes", First Edition, 2009, K. N. Toosi University Press.

AFFILIATION AND ADMINISTRATIVE POSITIONS:

- A full-time Faculty Member of the Faculty of Mechanical Engineering at the K. N. Toosi University of Technology since 1993 and a part-time Faculty Member in the University of IAU, Science and Research Branch since 2003, Tehran, Iran.
- The Chief Director of the Office of International Scientific Cooperation in the K. N. Toosi University of Technology, Tehran, Iran. from 2012 till now
- Head of virtual laboratory for the Design and Manufacturing Systems. from 2005 till now
- Member of the executive board of the organization and human resources. from 2012 till 2013
- Director of Administration in the K. N. Toosi University of Technology. from 2011 till 2012
- Elected Committee Member for Manufacturing Engineering Group. from 2003 till 2007
- Senior Advisor in the Kar Institute for Higher Education in Tehran. from 2004 till 2005
- Chancellor of the Kar Institute for Higher Education in Qazvin. from 2003 till 2004
- Vice Dean in Research at the Faculty of Mechanical Engineering. from 2003 till 2003
- Director of Manufacturing Engineering Group in the K. N. T. U. of Tech. from 1995 till 1998
- Council member of Informatics in the K. N. T. U. of Tech. from 1995 till 1996
- Advisor in Consulting Center in the Railways of Islamic Republic of Iran. from 1994 till 1996
- Head of the postgraduate division in the Faculty of Mechanical Engineering from 1994 till 1996

RESEARCH AREAS:

- [A] Design and manufacturing of parts by application of manufacturing processes: (1) Forming, (2) Traditional Machining, (3) Non-traditional Machining, (4) Grinding, (5) Casting, (6) Powder Metallurgy, (7) Injection Molding, (8) Welding, (9) Surface Coating, and (10) Heat Treatment.
- [B] Application of Engineering Software for Virtual & Physical Design and Manufacturing.
- [C] Investigation, Design and Development of Factory Layout, Industrial Robotics and Automation.
- [D] Development and Application of Finite Element Packages for Numerical Analysis.
- [E] Development and Application of CAD/CAM Systems.
- [F] Development and Application of Artificial Intelligent and Expert Systems for Manufacturing.

CONDUCTED RESEARCH TOPICS:

- Design and Analysis of Turbocharger Blades, K. N. Toosi University of Technology, 2000.
- Design and Manufacturing of an Air Gauge, K. N. Toosi University of Technology, 2004.
- Establishing Of A Virtual Laboratory For Design And Manufacturing Systems, K. N. Toosi University of Technology, 2006.
- Study and Investigation of Important Parameters in the Deep Drawing Process, K. N. Toosi University of Technology, 2007.
- Design and Analysis of a Process for Manufacturing of Axial Symmetric Products by using High Energy Rate Forming, K. N. Toosi University of Technology, 2008.
- Simulation of Hydroforming Process for Manufacturing of Tube Shape Products, K. N. Toosi University of Technology, 2008.
- Design and Numerical Analysis of the Explosive Forming Process for Manufacturing of a Sound Suppressor Tube for the Jet Engine in Boeing 707, K. N. Toosi University of Technology, 2009.
- Application of Ultrasonic Vibrations for the Reduction of Friction in the Cold Forging Process, K. N. Toosi University of Technology, 2010.
- Study of Sheet Metal Forming Process using Laser Technology, K. N. Toosi University of Technology, 2011.
- Study of Steel Cutting Process Parameters Using Abrasive Water Jet, K. N. Toosi University of Technology, 2012.