

Name	Alireza Shahidi
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Email	Alireza_shahidi@yahoo.com
Birth	1978 Tehran
Education	1- M.S. mechanical engineering (manufacturing), 2004 Sharif University of Technology. 2- B.S. mechanical engineering (manufacturing), 2001 Tabriz University.
Educational experience	1- Teacher of theory & practical of machine tool and welding in machine tool workshop, Azad university, Karaj branch (2 terms each term 4 group). 2- Teacher assistance in Manufacturing process course in Sharif univ. of tech. under supervision of Dr. Movahedi (4 terms). 3- Teacher assistance in CAD/CAM course in Sharif Univ. of tech. under supervision of Dr assempour (2 terms). 4- Teaching of Mechanical Desktop (CAD software) in Sharif univ. of tech and some industrial company. 5- Establish Creativity training workshop in Sazeh goster saipa company.
Publication And Papers	1- S. H. Mahboobi, A. Abedian, Alireza Shahidi, A. Meghdari, "CLOSED-LOOP FINITE ELEMENT MODELING FOR ANALYSIS OF SMART STRUCTURES IN ANSYS ENVIRONMENT", 2006 ASME International Mechanical Engineering Congress and Exposition, November 5-10, 2006, Chicago, Illinois, USA 2- Alireza Shahidi, Farzam Farahmand, Farid keimaram, "Design, Optimization and Fabrication of an Ultrasonic Surgical Knife", 11 th Iranian conference on biomedical

engineering, Feb 2004.

3- Alireza Shaidi, Frazam Farahmand, Ali Selk Gafari' "Modeling, Identification, Design and Fabrication of Ultrasonic Biopsy Needle Driver Circuit", 6th Iranian conference of medical physics, Mashhad, May 2004.

4- Alireza Shahidi, Abbas Pak, "Using of hobbing in horizontal milling machine to fabricate spur and helical gears", 5th conference of manufacturing engineers of Iran, Amirkabir univ. of tech., 2002.

5- Abbas Pak, Alireza Shahidi, "Fabrication of EDM tool (electrode) by using of electroforming", First student conference in Tabriz university, 2000.

6- Alireza Shahidi, Majid Amirsayafi, "Rapid method to produce blanking dies by EDM", First student conference in Tabriz university, 2000.

Research
projects
And
working
experiences

1- Scanning Probe Microscope (SPM), Design and Optimization, Research Center for Science and Technology In Medicine (Now).

2- Design and fabrication of an ultrasonic surgical knife. (M.S. project).

3- Establish of "Shahrooz Rayaneh Sanat Co. Ltd." on 2001 by subject of computer hardware and engineering software.

4- Design and fabrication of an ultrasonic transducer for ultrasonic machining.

5- Electroforming to fabricate EDM electrode (B.S. project).

6- Produce copper powder to copper brazing.

7- Working experience in: turning, milling, grinding, planning, gas welding and arc welding.

8- Work in: Perlite (construction company)

Software	<ul style="list-style-type: none"> 1- Mechanical Desktop (8 years experience in industrial cases and teaching). 2- Ansys (FEM). 3- Visual Nastran (FEM & dynamic simulation). 4- Emco draft (CAM). 5- Superforge (FEM forging).
Activities	<ul style="list-style-type: none"> 1- Establishment of scientific society to creativity development in Sharif university of technology. 2- Member of director and supervision in student research society in Tabriz university.
Honors	<ul style="list-style-type: none"> 1-Research Assistant ship from University of Southern California (USC) Viterbi School of Engineering, PhD on Industrial Engineering. (Fall 2005 & Spring 2006) 2- Rank 9 among 8000 student in national entrance exam for M.S. degree in Manufacturing filed. 3- Award as the one of top three M.S. project in Iran from Iranian society of mechanical engineer (ISME) in 12th international conferences of ISME, 2004.