

Shahrbano Farkhondeh

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US CITIZEN

Career Objective:

To employ my Mechanical, Industrial Engineering and Teaching in university, College; Teaching Quality system and advance engineering program (Matlab) in manufacturing environment and Quality System Design.

Education:

___ PhD of Mechanical Engineering, Cleveland State University, Spring- 2017

Masters of Science, Mechanical Engineering, Cleveland State University, Cleveland Ohio, Spring 2008

Bachelor of Science, Mechanical Engineering (Heat & Fluids), Tabriz University, Tabriz, Iran June 1995

Certificate of International Quality Management Auditor, QMA-TUV, Germany –Aug 2010

Certificate of Quality Management Auditor, QMA-TUV, Germany –Feb 1997

Certificate of Quality Management System ISO 9000, QBF-TUV, Germany-Oct 1997

Certificate of Applied Identification of Quality Assurance, Industrial-Scientific Service CO, Tehran, Iran, May 1998

Three Days Training Course for “Understanding FDA’s Medical Device Quality System Regulation”, H.C.Starck CO, Cleveland, OHIO, June 2008

Technical Skills:

- Practical experience in design and development of machine components
- Design-For-Manufacturing (DFM) aspects of machine elements.

- Knowledge of philosophies and structure of a generic quality system.
- Practical experience in implementing Quality System such as Quality Assurance System, base on **ISO 9000, QS,TS and A2LA**
- Knowledge of FDA's Medical Device Quality System Regulation, **ISO Standards 13485** (International Medical Design Regulations)
- Experienced in design of quality manual, quality plan, quality control methods, and procedures.
- Utilization of **PPAP, FMEA** chart and other quality control charts such as **fishbone, SPC**.
- Experience of internal audit of quality system.

Work EXPERIENCE:

2019- present, Odessa college, Odessa, TX, professor Teaching all automation courses for 4 years degree, and create and implement Automation (BAAS) program in Odessa College.

Courses are included:

Advance Engineering Program (MatLab), Advance Engineering Design (SolidWork), Robotic in Automation, Hydraulic and Pneumatic System, Manufacturing processes, Mechanics and Machine Elements, Senior project, Automation System (Universal Robot)

2018-2019 instructor Cleveland State University Ohio (Static, Dynamic, Material Science, strength material, Thermodynamic, Vibration)

2017 – 2018 (October), Manager project, and designer of new Rotatory engine, Cerag Group, Goethegass, At 1010 Vienna, Austria

2015- 2017 Lecturer, Mechanical Engineering Technology position (Static, Dynamic, Design machine, material science, strength material, Auto Cad) at Cuyahoga Community College- Cleveland Ohio

2010-2016 Ph.D. student of Mechanical Engineering, Research assistant on Journal Bearing area. Teacher Assistant (Static – Dynamic-Vibration –Control- Thermodynamic), Member of GAC (Graduate Affair Community) CSU at CSU OHIO

2001-2010 Quality Engineer, CO-Ax. Solon-OHIO
Assistant for preparing Quality System according of ISO 9000 standard for external audit. Test samples for keeping the process is under control including incoming inspection, in-process and final product. Coordinate outside calibration of all measurement devices. Conduct audits of suppliers. Assist to design engineer for new product. Teaching Quality system.

January 2008-2010

Quality Engineering Group Member, H.C. Starck, Euclid –OHIO (part time)
Responsibilities included: Assistant for establish Quality system according of ISO 13485 standard (International Medical Design Regulations) FDA's regulations.
Maintain operations forms, procedures, and manuals to include current practices.

1998-2000

Quality Engineering Consultant, SAPCO. Responsibilities included: implementation of Quality System according to ISO 9000, for seven companies. **Teaching quality system.** Tehran, Iran

1996-2000

Manager of R&D, Ferrous Powder Metallurgy Co.
Responsibilities included: improve parts made from metallic powder with sintering method; advisor in Quality Assurance System design and obtaining ISO 9000 certificate from RWTUV, Germany; study and advising about Plasma Spray method instead of sintering method, for manufacturing Journal Bearings. Tabriz, Iran.

1994-1996

Production Supervisor, Fareh CO. Responsibilities included: development and execution of new production line projects for maximum efficiency and productivity; optimize quality control standard for clean environment of part assembly; writing instructional procedures to improve gas regulator assembly process; design P.M. program for machines in production line. Tabriz, Iran

Product Design and R&D Experiences:

Designed and developed fabrication of thrust bearings by utilizing powdered-metallurgy techniques.

Design modification of the passenger bus heating system from brass tubing to that of PVC tubing.

Design and Analysis of Journal Bearing With Controllable Radial Clearance.

Oral presentation in International Conference on Tribology and Interface Engineering, ICTIE November 2015 Venice, Italy.

Publish the paper for International Conference on Tribology and Interface Engineering, ICTIE 2015 Venice, Italy.

Publish the paper for IMECE 2018 – 86748 Journal Bearing with Controllable Radial Clearance.

Nominate for Excellence in Teaching Award in Honor of Ralph M. Besse, 2017 – Tri - C

Co-PI for writing grant for NSF (HSI:ELPSE- Student Quality Enhancement and Enriching Project (SEEP)- Spring 2025, for Odessa college.

Computer skills:

Windows, visual Basic, FORTRAN and C. Microsoft Word, Excel, Access, Matlab and Simulink, SolidWork, Auto-Cad