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Education

1991-95: Ph.D., Mechanical Engineering (Biomechanics), Case Western Reserve Univ., Cleveland, Ohio, USA.
Thesis Title: Dynamic Model of the Hand with Application in Functional Neuromuscular Stimulation.

1989-91: M.Sc., Mechanical Engineering (Biomechanics), Case Western Reserve Univ., Cleveland, Ohio, USA.
Thesis Title: The effect of Tryptic Digestion on Viscoelastic Properties of Skin.

1978-84: B.Sc., Mechanical Engineering, Shiraz Univ., Shiraz, Iran.

Work Experiences

1996- : Faculty member (Professor since 2010), Department of BioMedical Engineering and Physics, School of Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran.
Research Field: Analysis and Modeling of Physiological Systems, Biomechanics of Human Movement Disorders.

2016-2020: Department Head, Department of Medical Engineering and Physics, School of Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran.

2005: Visiting Professor, Mechanical Engineering Dept. and University Hospital, University of British Columbia, Vancouver, Canada.
Research Field: Quantification of tremor and dysmetria in MS patients using Deep Brain Stimulation.

1999-2005: Department Head, Department of Medical Engineering and Physics, School of Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran.

1995-96: Research Associate, Musculoskeletal Biomechanics and FES Labs, Case Western Reserve Univ., Cleveland, Ohio, USA.
Research Field: Biomechanical Modeling and Simulation of Human Motion.

1990-95: Research Assistant, Musculoskeletal Biomechanics and Orthopedics Engineering Labs, Case Western Reserve Univ., Cleveland, Ohio, USA.
Research Field: Biomechanical Properties of Soft Tissue.

Teaching Experiences

1996-2001: Undergraduate courses: Statics, Strength of Materials, Dynamics, Linear Control Systems, Engineering Mathematics and Biomechanics

2001- : Graduate courses: Advanced Modeling and Simulation of Physiological Systems, Research Methodology, Advanced Engineering Mathematics, Biomedical Signal Processing, Nonlinear System Analysis, Biomechanics of Human Motion, Tissue Biomechanics.

Publications

Refer to: https://scholar.google.com/citations?user=j1fOetsAAAAJ&hl=en
Or: https://www.scopus.com/authid/detail.uri?authorId=16739113200

Memberships

Member of the IEEE Biomedical Engineering Society
Member of the International Society of Biomechanics
Member of the National Committee of Evaluating and Examining in Biomedical Engineering Field
Member of the Iranian Society of Biomedical Engineering Member of the Editorial Board of the Iranian Journal of Biomedical Engineering

Personal

Born: Sept. 1960; Height: 185 Cm; Weight: 92 Kg.
Married with two children