

CURRICULUM VITAE  
**AMIR HOSSEIN  
NIKSERESHT**

Ph.D. , Eng.  
Associate Professor

**PERSONAL INFORMATION**

---

**Name:** Amir Hossein Nikseresht  
**Date of Birth:** 5/5/1971  
**Place of Birth:** Shiraz- Iran  
**Material Status:** Married  
**Address:** Faculty of Mechanical and Aerospace Engineering,  
Shiraz University of Technology, Shiraz, Iran  
**P.O. Box** 71555-313, Shiraz, Iran  
.  
**Phone (office):** +98 (71) 37264102  
**E-mail:** [nikser@sutech.ac.ir](mailto:nikser@sutech.ac.ir)  
  
**Personal Webpage :** <http://mae.sutech.ac.ir/DrNikseresht>

**EDUCATION**

---

**B.Sc.** Mechanical Engineering, Shiraz University, Shiraz, Iran 1994.  
**M.Sc.** Fluid Mechanics, Shiraz University, Shiraz, Iran, 1997.  
**Ph.D.** Fluid Mechanics, Shiraz University, Shiraz, Iran, 2004.

**RESEARCH INTERESTS**

---

Free Surface Flows  
Ship Hydrodynamics  
Ocean Wave Energy  
Wind Energy  
Mesh-free Methods  
Computational Fluid Dynamics  
Aerodynamics

## AWARDS

---

- Award for the Distinguished Researcher of Faculty of Mechanical and Aerospace Engineering, Shiraz University of Technology for the year 2018.
- Award for the Distinguished Teacher of Faculty of Mechanical and Aerospace Engineering, Shiraz University of Technology for the year 2018.
- Award for the Distinguished Researcher of Faculty of Mechanical and Aerospace Engineering, Shiraz University of Technology for the year 2015.
- Award for the Distinguished Researcher of Marine Systems Research Center, Shiraz University of Technology for the year 2014.
- Award for the Distinguished Researcher of Faculty of Mechanical and Aerospace Engineering, Shiraz University of Technology for the year 2012.
- Award for the Distinguished Researcher of Faculty of Mechanical and Aerospace Engineering, Shiraz University of Technology for the year 2010.
- Academic award for distinguished Ph. D. student in mechanical Engineering Department, Shiraz University, 2004.
- Academic award for distinguished M. Sc. student in mechanical Engineering Department, Shiraz University, 1997.
- Academic award for distinguished B. Sc. student in mechanical Engineering Department, Shiraz University, 1994.

## TEACHING EXPERIENCES

---

### **Under graduate Student:**

Gas Turbine and jet propulsion  
Fluid Mechanics 1  
Fluid Mechanics 2  
Thermodynamic 2  
Water transformation Systems  
Numerical Analysis  
Engineering Mathematics  
Static  
Thermodynamic Lab

### **Graduate Student :**

Computational Fluid Dynamics 1  
Computational Fluid Dynamics 2  
Advanced Fluid Mechanics  
Viscous Fluid Flow  
Subsonic Aerodynamics

---

## LIST OF PUBLICATIONS

---

### *Journal Papers:*

- 1- Mohammad Hayati, **Amir H. Nikseresht**, Ali Taherian Haghighi; Sequential optimization of the geometrical parameters of an OWC device based on the specific wave characteristics, *Renewable Energy*, Vol. 161, 386:394, December 2020.
- 2- **Amir H. Nikseresht**, Harry B. Bingham; A Numerical Investigation of Gap and Shape Effects on a 2D Plunger-Type Wave Maker, *Journal of Marine Science and application*, June 2020.
- 3- Yasin Masumi, **Amir H. Nikseresht**; Drag Optimization of a Planing Vessel Based on the Stability Criteria Limits, *China Ocean Engineering*, 33 (3), 365:372, 2019.
- 4- Yasin Masumi, **Amir H. Nikseresht**; 2DOF numerical investigation of a planing vessel in head sea waves in deep and shallow water conditions, *Applied ocean research*, 82: 41-51, 2019
- 5- Jafar Gerdabi, **Amir H. Nikseresht**; 2D Simulation of a wedge impact problem into the Newtonian and HerschelBulkley Dilatant non-Newtonian fluids, using WCSPH method, *Modares Mechanical Engineering*, 18 (04), 39-50, 2018 (in Persian)
- 6- Iman Jelodari, **Amir H. Nikseresht**, Effects of Lorentz force and induced electrical field on the thermal performance of a magnetic nanofluid-filled cubic cavity, 252: 296-310 , 2018.
- 7- Ali Safari, **Amir H. Nikseresht**: Numerical investigation of added resistance and wave pattern on a planing vessel in regular head waves, *International Journal of Engineering Systems Modelling and Simulation*, 10 (3): 169-178, 2018.
- 8- Yasin Masumi, **Amir H. Nikseresht**; Comparison of numerical solution and semi-empirical formulas to predict the effects of important design parameters on porpoising region of a planing vessel, *Applied ocean research*, 68: 228-236, 2017.
- 9- Ali Pazireh; **Amir Hossein Nikseresht** and Hashem Moradi; Wing-Body and Vertical Tail Interference Effects on Downwash Rate of the Horizontal Tail in Subsonic Flow, *J. Aerosp. Eng.*, 30(4): 04017001, 2017.
- 10- M.A. Esmaili Sikarudi, **A.H. Nikseresht**; Neumann and Robin boundary conditions for heat conduction modeling using smoothed particle hydrodynamics, *Computer Physics Communications*, Vol

- (198), pp. 1–11, 2016
- 11- H. Sabahi, **A.H. Nikseresht**; Comparison of ISPH and WSPH methods to solve fluid-structure interaction problems; *Scientia Iranica B* , Vol 23 (6), pp. 2595-2605, 2016
  - 12- **Amir H. Nikseresht**, Ali Safari,.Numerical investigation of shallow water resistance of a planning vessel, *International Journal of Civil and Structural Engineering– IJCSE*, VOL. 3, Issue 1, pp.164-168, 2016.
  - 13- M. A. Sikarudi, Amir **H. Nikseresht**, Neumann and Robin boundary conditions for heat conduction modeling using smoothed particle hydrodynamics, *Computer Physics Communications*, 198 ,pp. 1–11 2016.
  - 14- H. Moradi, **Amir H. Nikseresht**, A. Mostofizadeh, Numerical investigation of keel curvature on hydrodynamic characteristics of a three-dimensional V-shape craft, *IJMT* Vol.3, pp. 41-47, Winter 2015.
  - 15- Z Ghadampour, MR Hashemi, N Talebbeydokhti, SP Neill, **Amir H. Nikseresht**, Some Numerical Aspects of Modelling Flow around Hydraulic Structures using Incompressible SPH, *Computers & Mathematics with Applications*, Vol. 69 No.12, pp. 1470-1483, 2015.
  - 16- H. Sabahi, **Amir H. Nikseresht**, and S. J. Rouzegar, Using a Simple Repulsive Force to Simulate Fluid Flow under a Hypo-Elastic Gate by Smoothed Particle Hydrodynamics, *Journal of Hydraulics (In Persian)*, pp.1-14, 2014.
  - 17- Sh. Moshari, **Amir H. Nikseresht** and Reza Mehryar, Numerical Analysis of Two and Three Dimensional Bouyacy Driven Water- Exit of a Circular Cylinder, *Int. J. of Naval Architecture and Ocean Engineering*, Vol.6 No.2 June 2014.
  - 18- H. Ghazizade-Ahsae, **Amir H. Nikseresht**, Numerical Simulation of Two Dimentional Dynamic Motion of Symmetric Water Impact of a Wedge, *IJMT* Vol.1, No. 1, pp. 11-22, 2013.
  - 19- H.Ghazizade-Ahsae **Amir H. Nikseresht**, Numerical Solution of the Asymmetric water impact of A Wedge in Three Degrees of Freedom, *China Ocean Eng.*, Vol. 27, No.3, pp. 313-322, 2013.
  - 20- Z. Ghadampour, N. Talebbeydokhti, M.R. Hashemi, **Amir H. Nikseresht** And S. P. Neill, Numerical Simulation of Free Surface Mudflow Using Incompressible SPH, *IJST*, Vol. 37, No.C1, pp.77-95, 2013.
  - 21- **Amir H. Nikseresht**, N. Talebbeydokhti, M.J. Rezaei, Numerical simulation of two-phase flow on step-pool spillways, *Scientia Iranica A*, Vol. 20, No. 2, pp.222-230, 2013.
  - 22- M. Baradaran Fard, **Amir H. Nikseresht**, Numerical simulation of unsteady 3D cavitating flows over axisymmetric cavitators, *Scientia Iranica B*, Vol.19, No. 5, pp. 1258-1264, 2012.
  - 23- **Amir H. Nikseresht**, H. Ghazizade-Ahsae, Numerical Simulation of Three-Dimensional Dynamic Motion of a Standard NACA Model in an Impact Problem, *Int. J. Engineering Systems Modelling and Simulation*, Vol. 4, No. 4, 2012.
  - 24- J. Bayat, **Amir H. Nikseresht**, Thermal performance and pressure drop analysis of nanofluids in turbulent forced convective flows,

- International Journal of Thermal Sciences, Vol. 60, pp. 236-243, 2012.
- 25- Z. Ghadampour, M.R. Hashemi, N. talebbeydokhti and **Amir H. Nikseresht**, Comparison of Two Projection Methods in SPH for Modeling Flow Under a Gate, Numerical Methods in Engineering (In Persian), Vol. 31, No.2, pp.79-97, 2012.
  - 26- Z. Ghadampour, M.R. Hashemi, N. talebbeydokhti and **Amir H. Nikseresht**, Numerical Modeling of Dambreak, Flow over Sharp Crested Weir and Simultaneous Operation of Gate and Weir Using ISPH, Journal of Hydraulics (In Persian), Vol. 7, No.1, 2012
  - 27- **Amir H. Nikseresht**, N. Talebbeydokhti, H. Khorshidi, Three-Dimensional Numerical Modeling of Cavitation and Aeration System in Dam Outlets, Journal of Fluids Engineering, Vol. 134, (6 pages), 2012.
  - 28- J. Bayat, **Amir H. Nikseresht**, "Investigation of the different base fluid effects on the nanofluids heat transfer and pressure drop", Heat and Mass Transfer, Vol. 47, pp. 1089-1099, 2011.
  - 29- A. Savarian, **Amir H. Nikseresht**, N. Talebbeydokhti, Numerical Simulation of Bed Evolution in 180 Degree Alluvial Channel Bend, Journal of Hydraulics (In Persian), Vol. 4, No.2, 2009.
  - 30- A. Nader Rad, N. talebbeydokhti and **Amir H. Nikseresht**, An Investigation of Energy Dissipation in Various Types of Stepped Spillways Including Simple, Inclined Step and Steps with End Sills by Numerical Model, Journal of Civil and Environmental Engineering ( In Persian), Vol. 39, No.1, 2009.
  - 31- **Amir H. Nikseresht**, M.M. Alishahi, H.Emdad, Generalized Curvilinear Coordinate Interface Tracking in the Computational Domain, Scientia Iranica B, Vol. 16, No. 1, pp. 64-74, 2009.
  - 32- **Amir H. Nikseresht**, M.M. Alishahi, H.Emdad, Complete Flow Field Computation around an ACV (Air Cushion Vehicle) Using 3- D VOF with Lagrangian Propagation in Computational Domain, computers& structures, Vol. 86, pp. 627-641, 2008.
  - 33- H. Moradi, **Amir H. Nikseresht**, Investigation of the Dead-Rise Angle Effects on the Slamming Force of a Flying Boat in Symmetric Landing, Mechanical and Aerospace Engineering Journal ( in Persian), Vol. 3 No. 3, 2007.
  - 34- M. Khosravi, **Amir H. Nikseresht**, M. M. Alishahi, Prediction of Slamming Force on Flying-Boat, Journal of Marine Engineering (In Persian), Vol. 3 No.5, 2006.
  - 35- **Amir H. Nikseresht**, M.M Alishahi and H.Emdad, "Volume-of Fluid Interface Tracking with Lagrangian Propagation for Incompressible Free Surface Flows", Scientia Iranica., Vol. 12, No. 2, pp. 131-140, 2005.
  - 36- H. Emdad and **Amir H. Nikseresht**, " Application of Vortex Lattice and Quasi-Vortex Lattice Method with free Wake in Calculation of Aerodynamic Characteristics of Hovering Helicopter Rotor Blade in Ground Effect", Scientia Iranica, Vol. 10, No. 1, 2003.

## Conference Papers:

- 1- Ali Taherian-Haghighi, **Amir H. Nikseresht**, Numerical investigation of Hydrodynamic Performance of a dual- Chamber OWC and Comparison with a Single Chamber OWC, 6<sup>th</sup> annual Clean Energy Conference, ACEC 2019.
- 2- M. Hayati, **Amir H. Nikseresht**, Optimization of the geometrical parameters of an OWC device on Faroor Island Waves Characteristics, 6<sup>th</sup> annual Clean Energy Conference, ACEC 2019.
- 3- Zohreh Azadian-kharanjani, **Amir H. Nikseresht**, Harry B. Bingham; A numerical investigation of wedge angle effects on a plunger type wave maker with a constant submerged volume, OMAE 2018, Madrid, Spain.
- 4- Yassin Masumi, **Amir H. Nikseresht**, Analysis of important design parameter on longitudinal stability of 4667 planing craft model, MIC 2016, Kish, Iran.
- 5- **Amir H. Nikseresht**, Ali Safari; Numerical investigation of shallow water resistance of a planning vessel, ACSM 2015, Bangkok, Thailand.
- 6- Ali Safari, **Amir H. Nikseresht**, Numerical investigation of drag and wave pattern on a planning vessel hull in head sea waves, MIC 2015, Kish, Iran.
- 7- Ali Safari, **Amir H. Nikseresht**, Numerical Analysis of bridge stands geometry on force and pressure distribution in sea head waves, FD 2015, Iran
- 8- H. Sabahi, **Amir H. Nikseresht**, Analysis of Different Boundary conditions in ISPH Method for modeling the flow Field under Gates” 22<sup>nd</sup> International Annual Mechanical Eng. Conference, Iran, 2014
- 9- H. Sabahi, **Amir H. Nikseresht**, “Simulation of Fluid Flow under a Hypo-Elastic Gate by Smoothed Particle Hydrodynamics”, 8<sup>th</sup> National Congress on Civil Engineering, Babol, Iran May 2014.
- 10- A. Paziresh, **Amir H. Nikseresht**, “The Effect of Wing-Body and Vertical Tail on Downwash Rate of a Horizontal Tail of a 3-D airplane in Subsonic Flow”, Aero 2014, Tehran, Iran., 2014.
- 11- A. Paziresh, **Amir H. Nikseresht**, “Numerical Analysis of of Ground Effect on a Aerodynamic Coefficients of a 3-D Airplane in Subsonic Flow”, National Conference of Mechanical Eng., Tehran, Iran, 2014.
- 12- M. Naderzadeh, M. Jahanmiri, **Amir H. Nikseresht**, “Analysis of the Synthetic Jet on a Flow Field around a Circular Cylinder”, Fluid Dynamics Conference, December 2013,
- 13- A. H. Nikseresht, H. Zare, “Computational Analysis of longitudinal and lateral position of Trimaram side hulls on residuary resistance and wave pattern”, International Conference on Applied and Computational Mathematics, Ankara, Turkey, Oct 2012.
- 14- SH. Moshari, **A. H. Nikseresht**, R. Mehryar “Mass Effect During Water-Exit of a Circular Cylinder by Solving Dynamic Equation of Solid Body”, 11<sup>th</sup> Iranian Aerospace Society Conference, Tehran, Iran, February 21-23, 2012.
- 15- M.A. Esmaili Sikaroody, **A. H. Nikseresht** and A. Omidvar, “Analysis the Effect of Different Numbers of Virtual Particles on the solution of Heat conduction Problems with SPH Method”, 20<sup>nd</sup> International Annual Mechanical Eng. Conference, Shiraz, Iran, 2012.

- 16- **A.H. Nikseresht**, Hossein Ghazizade- Ahsaei, "Numerical Simulation of Three Dimensional Dynamic Motion of a Standard NACA Model in an Impact Problem," International Conference on Mechanical, Automotive and Aerospace Engineering 2011, (ICMAAE11), Kuala Lumpur, 17- 19 May 2011.
- 17- H. Ghazizade-Ahsaei, **A. H. Nikseresht**, "Numerical Solution of The Asymmetric Water Impact of a Wedge Considering Dynamic Equations", 13<sup>th</sup> Annual and 2<sup>nd</sup> International Conference of Fluid Dynamics, Shiraz, Iran, 26 -28 Oct. 2010.
- 18- H. Moradi, **A. H. Nikseresht**, A. Mostofizadeh, "Keel curvature effect on the Hydrodynamic drag of marine vehicles, Euromech Fluid Mechanics Conference-8 (EFMC-8), Bad Reichenhall, Germany, September 13-16, 2010.
- 19- J. Bayat, **A. H. Nikseresht**, "Thermal Performance Analysis of Nanofluids In Turbulent Forced Convection Flows", 18<sup>th</sup> Annual International Conference on Mechanical Engineering-ISME2010, Sharif University of Technology, Tehran, Iran, 11-13 May, 2010.
- 20- **Amir H. Nikseresht**, J. Bayat, "Heat Transfer Enhancement by Using Nanofluids in Laminar Forced Convection Flows Considering Variable Properties", MIMT 2010, Sanya, China, January 22-24, 2010.
- 21- Ali Savarian, **A.H. Nikseresht**, Naser Talebbeydokhti, "Numerical Simulation of River Evolution in 180 Degree Alluvial Channel Bend", ICMSAO'09, 20-22 January 2009.
- 22- Hossein Khorshidi, **A.H. Nikseresht**, Naser Talebbeydokhti, "3-D Investigation of Cavitation In Bottom Outlet of Sefidrood Dam Using FVM", ICMSAO'09, Sharjah, 20-22 January 2009.
- 23- R Rastegari, **A.H. Nikseresht**, "The effect of Curvature on the Slamming Force in Water Impact of a WIG Craft", ICFM-V Conference, pp 316-319 Shanghai, China 15-19 August 2007.
- 24- **A. H. Nikseresht**, M.M. Alishahi, H. Emdad, "3-D Modeling Flow Around An ACV Using Volume of Fluid Interface Tracking ", IC-SCCE Conference, Greece July 5-8 2006.
- 25- **A. H. Nikseresht**, M.M Alishahi and H. Emdad, " Three Dimensional Incompressible Surface Flows with Volume-Of-Fluid Interface Tracking", 13<sup>th</sup> Annual Conference (International) of Mechanical Engineering, ISME, Technical University of Isfahan, Iran, 2005.
- 26- **A. H. Nikseresht**, H. Emdad and M.M Alishahi, "Application of Volume-Of-Fluid Interface Tracking with Lagrangian Propagation In General Curvilinear Coordinates On Water Impact Problems" ,IMECE 2004, Kuwait, December 5-8, 2004.
- 27- **A. H. Nikseresht**, H. Emdad and M.M Alishahi, " Incompressible Free Surface Flows in General Curvilinear Coordinates with Volume-of-Fluid Interface Tracking" , 12<sup>th</sup> Annual Conference (International) of Mechanical Engineering, ISME 2004 University of Tarbiat Modares, Tehran, Iran, May 2004.
- 28- **A. H. Nikseresht**, M.M Alishahi and H. Emdad, " Incompressible Navier-Stokes Solution of Large Scale Free-Surface Flows, 11<sup>th</sup> Annual Conference (International) of Mechanical Engineering, Mashhad, pp.158- 165, 13-15 May 2003.

### **Completed Ph.D Thesis**

- 1- Improvement of SPH Method in Deformation of Bubble in Viscous Flow, 2018.
- 2- Numerical Solution of Magneto Hydrodynamic Equations of Nanofluid Flow Considering Free and Forced Convection Heat Transfer, 2018.

### **Ongoing Ph. D. Thesis**

- 1- On the Use of the ALE-SPH Method to Investigate the Effect of Deformable Wall on the Dissipating Wave Energy Problem

### **Completed M. Sc. Thesis**

- 1- Numerical investigation of the effect of upstream deflector on the performance of a counter-rotating dual rotor Savonius wind turbine in a duct, 2020.
- 2- Numerical investigation of the effect of geometry on the hydrodynamic performance of one OWC chamber from an I-Beam Attenuator, 2020.
- 3- Numerical investigation of hydrodynamic performance of a hybrid wave energy converter including onshore oscillating water column and horizontal floating cylinder, 2020.
- 4- Numerical Investigation of 4667-1 planing body
- 5- Numerical analysis of Hydrodynamic Performance of a dual-Chamber OWC in Viscous Flow, 2019.
- 6- Sequential Optimization of the geometrical parameters of an OWC device on Persian Gulf Waves Characteristics, 2019.
- 7- Numerical Investigation of the effect of some geometrical parameters on Catamaran resistance in Wavy Sea, 2108.
- 8- Numerical Investigation of the Effect of important geometrical parameters on the Far field Waves generated by a Plunger type Wave-maker, 2018.
- 9- Numerical Solution of a time-independent Non-Newtonian Fluid impact of a Solid body, Using SPH method, 2017.
- 10- Numerical Investigation effect of Design Parameters on Porposing Phenomena of a Planing Vessel, 2016.
- 11- Numerical Analysis of Wave Effect on the Hydrodynamic Forces, acting on a Planing Craft, 2015
- 12- Investigation of design parameters on the Stealth Capabilities of an UAV, 2015.
- 13- Numerical Analysis of Magnetic Field on Variable Cross Section Channel Flow, 2015
- 14- The Numerical Blood Flow Simulation in the Real Model of Cerebral Aneurysm, 2014
- 15- Fluid-Solid Interaction Code Generation Using Incompressible



- Smoothed Particle Hydrodynamics (ISPH) Method, 2014
- 16- Numerical Calculation of the Downwash Rate of the Horizontal Tail of an Aircraft in Ground Effect, 2014
  - 17- Using GPU in ISPH Simulation of Incompressible Flows, 2013
  - 18- Design and Manufacture of the Micro Aerial Vehicle (MAV) Inspired from Nature (Biomimetics) and Feasibility Study of the Smart and Autonomous Guidance Ability in Cruise Flight Phase and in the Line of Sight, 2013
  - 19- A computational Analysis of a Ducted Fan Using Active Flow Control Applicable in a VTOL UAV, 2013
  - 20- Parametric Study of hulls Position and Evaluation of Geometry Effect on the Hydrodynamic Resistance of Trimaran, 2012
  - 21- Parametric Study of hulls Position and Evaluation of Geometry Effect on the Hydrodynamic Resistance of Trimaran, 2012
  - 22- Speed Control of Intelligent Pig Using Variable Valve in Real Path Natural Gas Pipeline and the Effect of Branches on Pig Motion, 2012
  - 23- Geometry Effect Study of Underwater Vehicle on Cavity Dimension, 2011
  - 24- Numerical Simulation of Flow Over Fan-Wing, 2011
  - 25- Numerical Simulation of Two-Phase Flow Over Flip Buckets, 2011
  - 26- Numerical Simulation of Water Impact Problem of Flying Boats, Considering Dynamic Equations of Motion, 2010
  - 27- Numerical Simulation of Water-exit of an Axisymmetric Body, 2010
  - 28- Numerical Simulation of Two-phase Flow on Step-Pool Spillway Using Fluent Software, 2010
  - 29- Numerical Analysis of Nanofluid Flow in Pipes& Using its Advantages in an Application, 2010
  - 30- Investigation of keel Profile on Force Reduction of Marine Vehicles
  - 31- Numerical Modeling of Flow and Cavitations in Bottom Outlets in Dams, 2008
  - 32- Investigation of Flow Field and Sediment Transport in River Meanders and Estimation of Bed Level by a Numerical Method, 2008
  - 33- Parallel Computation of Incompressible N-S Solutions Including Free Surface Flow Around an ACV (Air Cushion Vehicle), 2007

## **Recent Industrial researches:**

---

**Aerodynamic simulation of a special WIG.**

**Hydrodynamic Investigation of Flying boats Impact Problem**

**Design and Hydrodynamic analysis of a Twin body flying boats**

**Preparing an in-house code for stability analysis of flying boats**

**Design and Hydrodynamic analysis of a special planing crafts**

**Aerodynamic investigation and Autopilot design for a special MAV**

## **REVIEWER OF SCIENTIFIC JOUNALS**

---

**Energy (Elsevier)**

**International Journal of Thermal Science (Elsevier)**

**Heat and Mass Transfer Journal (springer)**

**Ocean Engineering (Elsevier)**

**International journal of Engineering (IJE)**

**Engineering Applications of Computational Fluid Mechanics**

**Modaress Mechanical Engineering (in persian)**

## **PROFESSIONAL EXPERIENCES**

---

**Dean of the marine research center** , Shiraz University of Technology,  
November 2019 to now

**Guest researcher**, DTU, Kgs. Lyngby 2800, Denmark, March 2016-  
October 2016

**Dean of the High performance computer center**, Shiraz University of  
Technology, 2011 to 2014

**Associate Professor**, Shiraz University of Technology, Shiraz, Iran,  
2013-to now.

**Assistant Professor**, Shiraz University of Technology, Shiraz, Iran,  
2005-2013.

**Dean of Thermo-Fluid Department**, School of Mechanical  
Engineering, Shiraz University of Technology, Iran, 2006-to 2011.

**Assistant Professor**, Mechanical Engineering Department, Yasuj University,  
Yasuj, Iran 2004-2005.

## **COMPUTER SKILLS**

---

**Commercial softwares**

FLUENT, GAMBIT, CFX

**Programming Languages**

Fortran, C++.

**Amir H. Nikseresht, January. 2018**