



# Amir Rasti

Assistant Professor of Mechanical Engineering Department  
(Manufacturing Engineering)

Tarbiat Modares University

## INFORMATION

## EDUCATION

Birth Date: 1988/05/13

Birthplace: Najafabad

Residence: Tehran



 [www.modares.ac.ir/~a.rasti](http://www.modares.ac.ir/~a.rasti)

 amir-rasti-a8049955

- **2006-2010** Amirkabir University of Technology  
BSc. of Mechanical Engineering (Manufacturing Engineering)  
Statistical Analysis and Optimization the Machining of DURCO. 5 Steel using Taguchi and GONNS method
- **2010-2012** Amirkabir University of Technology  
MSc. of Mechanical Engineering (Welding Engineering)  
Stress Analysis and Estimation of Fatigue Life in Welded Connection of Stiffener Ring to Pressure Vessel
- **2013-2018** Tarbiat Modares University  
PhD. of Mechanical Engineering (Manufacturing Engineering)  
Investigating The Methods of Enhancing the Fatigue Strength in Drilling of AISI 4340

## SCIENTIFIC INDEX


## RESEARCH INTERESTS

 Citations: 246  
h-index: 7  
 Citations: 213  
h-index: 7

- Finite Element Simulation and Analytical Modeling of Machining Processes
- Surface Integrity in Machining and Developing Innovative Methods of Measurement
- Advanced Machining Methods
- Reliability In Design and Manufacturing
- Advanced Methods of Experiment Design and Analysis
- Machine Design and Mechanisms
- Design of Machine Tools
- Test And Control of The Machine Tools

## CONTACTS

## WORK EXPERIENCE

 +98-21-82884957  
+98-9132312104

 [a.rasti@modares.ac.ir](mailto:a.rasti@modares.ac.ir)

 a.rasti67

- **2018-2021** ..... Ministry of Energy..... Project Manager
- **2012-2018** ..... Private Sector ..... Designer
- **2011-2012** ..... Dakoub Co. .... Quality Control

## SKILLS

Room 414, No. 4 West Floor,  
Mechanical Engineering Dep.,  
Tarbiat Modares University,  
Jalal Al-e-Ahmad Street,  
Tehran, Iran.  
P.O.Box: 14115-111

PVellite	●●●○○	MATLAB	●●●○○	SOLIDWORKS	●●●○○
Fluidsim	●●○○○	PYTHON	●●●○○	ABAQUS	●●●○○
Mach3	●●●○○	Minitab	●●●○○	Deform 3D	●●●○○
Mathcad	●●●○○	Design Expert	●●●○○	AdvantEdge	●●●○○