

# Foad Soleimani

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**Date of Birth:** July 8, 1989

**Place of Birth:** South Africa

**Marital Status:** Single

**Sex:** Male

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## Education

- **Ph.D.** Candidate in Materials Engineering  
Dept. Mater. Sci. Eng.,  
Sharif Univ. Technol. Sep 2015 – Present  
Total GPA: **18.93/20**  
(Ranked 1<sup>st</sup> among 9 fellow students)
- **M.Sc.** in Materials Engineering  
Specialized in Materials Selection & Characterization  
Dept. Mater. Sci. Eng.,  
Sharif Univ. Technol. Sep 2011 – Jan 2014  
Total GPA: **18.78/20**  
(Ranked 3<sup>rd</sup> among 120 fellow students)
- **B.Sc.** in Materials Engineering  
Dept. Mater. Sci. Eng.,  
Sharif Univ. Technol. Sep 2007 – Sep 2011  
Total GPA: **17.18/20**  
(Ranked 3<sup>rd</sup> among 60 classmates)

## Research Interests

- Nano-Structured and Advanced Materials
- Mechanical Properties of Materials
- Physical Properties of Materials
- Environmental Aspects
- Bio-Materials and Bio-Engineering
- Severe Plastic Deformation

## Publications

- 1- F. Soleimani, H.R. Madaah Hosseini, F. Ordikhani, M. Mokhtari-Dizaji, *Desalin. Water Treat.* 57 (2016) 28378-28385, doi: 10.1080/19443994.2016.1185746.
- 2- A. Seza, F. Soleimani, et al., *Appl. Surf. Sci.* 440 (2018) 153-161, in Press.
- 3- F. Soleimani, M. Kazeminezhad, *Steel Res. Int.* (2018), in Press.

## Honors & Achievements

- **Admitted** for Ph.D. study without entrance exam due to M.Sc. background **Fall 2015**
- **Admitted** for graduate study without entrance exam due to undergraduate background **Fall 2011**
- **Received** Iran National Elites Foundation annual educational award for Ph.D. students **2 Years**
- **Awarded** as Best Teaching Assistant in the department **2015-2016**
- **Ranked 1<sup>st</sup>** among about 35 classmates in Materials selection & characterization field **Fall 2014**
- **Ranked 1038<sup>th</sup>** amongst nearly 400,000 participants in nationwide university entrance exam **Summer 2007**
- **Attained 2<sup>nd</sup>** team place in volleyball competitions among national universities of region 1 **Winter 2011**
- **Selected** student in “Applied Persian Literature Conference” **Spring 2002**

## ***Academic & Administrative Experiences***

- Teaching Assistant**, Laboratory of Physical Metallurgy-I (Metallography) **9 Semesters**  
(Fall 2012 – Spring 2018)  
Instructors: **Prof. P. Abachi**  
**Prof. S. Asgari**  
**Prof. H.R. Madaah Hosseini**
- Teaching Assistant**, Engineering Materials Selection **Fall 2015; Fall 2016**  
Instructor: **Prof. H.R. Madaah Hosseini**
- Delegate of students**, Students Guild Council **Fall 2010; Spring 2011;**  
Dept. Mater. Sci. Eng., Sharif Univ. Technol. **Fall 2011**

## ***Selected Projects, Presentations & Term Papers***

- Mechanical Behavior of Polymer/Polymer Composite Architectures Produced through Electrospinning Followed by Solution Infiltration** **Ph.D. Thesis**  
Dec 2017 - Present  
Supervisors: Prof. R. Bagheri, Prof. S. Asgari
- Effect of Size and Surface Conditions of Titanium Dioxide Nano-Particles on Sonodynamic-Therapy Process** **M.Sc. Thesis**  
Dec 2011 - Jan 2014  
Supervisor: Prof. H.R. Madaah Hosseini
- Effect of Heat Treatment on Microstructure and Mechanical Properties of Severely Plastic Deformed Low Carbon Steel Sheets** **B.Sc. Thesis**  
Sep 2010 - Sep 2011  
Supervisor: Prof. M. Kazeminezhad
- Diverse Effect of Surface Modification on Sonocatalytic Activity of TiO<sub>2</sub> Nanoparticles** **Poster & Paper**  
(6<sup>th</sup> Intl. Conf. Nanostruct.)  
Mar 2016  
Co-author: H.R. Madaah Hosseini
- X-Ray and Electron Detectors** **Paper & Oral Presentation**  
(Mater. Charact. Methods)  
Nov 2011  
Advisor: Prof. S. Asgari
- Material Selection for Artificial Lumbar Disk replacement** **Paper & Oral Presentation**  
(Eng. Mater. Sel.)  
May 2010  
Advisor: Prof. H. Madaah Hosseini
- Role of Texture in the Use of Several Pure Metals as Biomaterials** **Paper & Oral Presentation**  
(Texture Cryst. Mater.)  
Jan 2016  
Advisor: Prof. A. Akbarzadeh
- Shape Memory Alloys; Fundamentals, Definitions and Applications** **Paper & Oral Presentation**  
(Diffus. Phase Transform.)  
Dec 2010  
Advisor: Prof. S. Asgari
- Simulation of Temperature Profile in a Cylindrical Aluminum Specimen During Heating to a Certain Temperature** **Course Project**  
(Finite Elem. Methods)  
Jul 2012  
Advisor: Prof. S. Serajzadeh
- Fracture of Ti-based Alloys as Hip Implants** **Term Review Paper**  
(Adv. Mech. Prop. Mater.)  
Jun 2016  
Advisor: Prof. R. Bagheri
- Attenuated Total Reflectance (ATR) Spectroscopy of Polymers** **Term Review Paper**  
(Adv. Polym.)  
Dec 2016  
Advisor: Prof. R. Bagheri
- Mutual Influences of African and Iranian Culture and Civilization** **Term Review Paper**  
(Civiliz. Hist. Islam & Iran)  
Dec 2007  
Advisor: Prof. A. Maleki

## ***Skills & Qualifications***

### **a. Language Skills**

- English: Advanced  
TOLIMO\* EXAM, Aug 2015:  
Total Score: 538, Writing Score: 4.00
- Persian: Native
- Standard Arabic: Intermediate
- French: Beginner

### **b. Computer Skills**

- Microsoft Office Suite: Professional in Word, PowerPoint, Excel
- Adobe Photoshop: Certified with Excellent Degree
- Programming Language: Pascal
- Engineering Software Packages: MATLAB, AutoCAD, DPlot, X'Pert

### **c. Advanced Skills**

- Optical Microscopy and Metallographic samples preparation
- Mechanical properties tests and sample preparation: Tension, Compression, Micro-hardness
- Metals forming processes: Compression, CGP
- Miscellaneous: UV-Vis spectroscopy, Ultrasonic Probe, Centrifuge

\* Testing Of Language by Iranian Measurement Organization (TOLIMO) is a test similar to TOEFL PBT.

## ***Hobbies***

Sports, Traditional and Pop Music, Cookery, Literatures, Painting.

## ***References***

### **R. Bagheri**

Professor, Ph.D.  
Dep. Mater. Sci. Eng., Sharif University of Technology

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### **S. Asgari**

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### **H.R. Madaah Hosseini**

Professor, Ph.D.  
Dep. Mater. Sci. Eng., Sharif University of Technology

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### **M. Kazeminezhad**

Professor, Ph.D.  
Dep. Mater. Sci. Eng., Sharif University of Technology

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### **P. Abachi**

Associate Professor, Ph.D.  
Dep. Mater. Sci. Eng., Sharif University of Technology

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➤ ***Additional information available upon request***