

## CURRICULUM VITAE

**Name:** Ali Shamsipoor  
**Address:** No.12, Dehghan Street, Mirabad, Shahrekord, Chaharmahal va Bakhtiari Province, The Iran  
**Telephone:** +989133850386, +983832220072  
**E-mail:** Alishamsipoor@yahoo.com  
**Date of birth:** 2 September 1987  
**Nationality:** Iranian  
**Sex:** Male  
**Marital status:** Married

### Education/Qualifications

#### 2016-2020

- Phd of Material science, Iran, Shiraz, Shiraz University of Technology, Iran, Materials & Energy Research Center.
- Thesis: Optimization of  $Cr_{n+1}AlC_n$  MAX phase coating deposition process using the SPS method and investigation of the high temperature properties
- Supervisor: Dr. Mohammad Farvizi, Dr. Mansour Razavi
- Advisor: Dr. Ahmad Keyvani
- GPA: 17.79/20

#### 2018

- Visiting Student in Material science, China, Beijing, Tsinghua University, Department of Materials Science and Engineering.
- Supervisor: Professor Pan Wei.

#### 2010-2012

- Master of Material science (Corrosion Science), Iran, Shiraz, Shiraz University of Technology
- Thesis: Structural, microstructural and corrosion behaviour of Fe-Mn-Si shape memory alloy synthesis by mechanical alloying
- Supervisor: Dr. Rasool Amini
- Advisor: Dr. Morteza Alizadeh
- GPA: 18.36/20

#### 2004-2009

- BSc of Material Science, Najafabad Branch, Islamic Azad University, Najafabad, Iran
- Thesis: Production of Nano crystalline  $\alpha$ -AgI
- Supervisor: Dr. Mehdi Omid
- GPA: 16.18/20

### Working Experience

**June 2017-up to now** Senior Material and corrosion Engineer  
Techinco Inspection Company, South Zagros Oil & Gas Production Co, Lamerd, Fars, Iran.

- Internal corrosion monitoring of pipeline and equipment.
- Cathodic protection design and maintenance.
- Paint and coating inspection.
- Damage mechanism.
- DCVG/CIPS, PCM.
- Material inspection.
- Welding inspection.
- Provide procedure.

**December 2015- June 2017** Senior Corrosion Engineer  
Tubi-Tak inspection Company, Petroleum Engineering and Development Company, Khuzestan.

- Cathodic protection design.
- Paint and coating inspection.
- Pipe coating inspection in factory.
- Material inspection.

- DCVG/CIPS, PCM.

**June 2011- December 2015** Corrosion Engineer

SGS Quality Control Company, South Zagros Oil & Gas Production Co, Farashband, Fars.

- Internal corrosion monitoring of pipeline and equipment.
- Cathodic protection design and maintenance.
- Paint and coating inspection.
- Damage mechanism.
- DCVG/CIPS, PCM.

**Research Interests**

- Thermal Barrier Coating
- MAX Phase
- Material Characterization
- Corrosion of pipes and reservoirs
- Advance Material
- Paint and Coating
- Cathodic protection
- Nanotechnology
- Hot oxidation and corrosion

**Publications**

- A.Shamsipoor, M.Farvizi, M.Razavi, A.Keyvani, Influences of processing parameters on the microstructure and wear performance of Cr<sub>2</sub>AlC MAX phase prepared by spark plasma sintering method, Journal of Alloys and Compounds Volume 815, 30 January 2020, 152345.
- Ali shamsipoor, Mohammad farvizi, Mansour razavi, Ahmad keyvani, Babak mousavi, Wei pan, High-temperature oxidation behavior in YSZ coated Cr<sub>2</sub>AlC and CoNiCrAlY substrates, Surface and Coatings Technology, Volume 401, 15 November 2020, 126239.
- A.Shamsipoor, M.Farvizi, M.Razavi, A.Keyvani, B.Mousavi, Hot corrosion behavior of Cr<sub>2</sub>AlC MAX phase and CoNiCrAlY compounds at 950 °C in presence of Na<sub>2</sub>SO<sub>4</sub>+V<sub>2</sub>O<sub>5</sub> molten salts, Ceramics International, Volume 47, Issue 2, 15 January 2021, Pages 2347-2357.
- A.Shamsipoor, M.Farvizi, M.Razavi, A.Keyvani, B.Mousavi, Wei pan, Hot corrosion behavior of thermal barrier coating on Cr<sub>2</sub>AlC and CoNiCrAlY substrates at 950°C in presence of Na<sub>2</sub>SO<sub>4</sub>+V<sub>2</sub>O<sub>5</sub> molten salts, Surfaces and Interfaces, Volume 21, December 2020, 100679.
- A.Shamsipoor, M.Farvizi, M.Razavi, A.Keyvani, B.Mousavi, Comparison of the High-Temperature Oxidation Behavior of Cr<sub>2</sub>AlC MAX Phase and CoNiCrAlY Compounds, oxidation of metal journal, 2020.
- A. shamsipoor. B. Mousavi, M. S. Shakeri, Synthesis and sintering of Fe-32Mn-6Si shape memory alloys prepared by mechanical alloying, Synthesis and Sintering, Vol. 2 No. 1 (2022).
- B Mousavi, MS Shakeri, A Shamsipoor, Slurry Erosion Characteristics of Stellite 6 on AISI 316 and AISI 410 Stainless Steels, Journal of Welding and Joining, 2020.
- A. Amini, A. Shamsipoor, M. Alizade, M. Gafari, and A.K.Okyay, "Phase Transformation during Mechano-Synthesis of Nanocrystalline-Amorphous Fe-32Mn-6Si Alloys," Material Characterization., vol. 84, pp. 169–174, 2013.
- A. Shamsipoor, A. Amini, M. Alizade, M. Gafari, "Structural and Microstructural Investigation of Fe-Mn-Si Shape Memory Alloy Synthesis by Mechanical Alloying Technique," 1th Annual Nano thechnology Seminar of Iran, Islamic Azad University, Ahvaz, Iran, April, 2012.

- *M. Bahamirian, A. Keyvani, M. Yazdani, A. Shamsipoor, " Investigation of Hot corrosion Mechanism of CSZ Thermal Barrier Coating , " 16th Annual Surface Engineering Seminar of Iran, Iranian Society of Surface Science &Technology, January, 2016.*
- *H. Ahmadi, M. Alizadeh, R. Amini, M. R. Ghafari, " Structural and Microstructural and Variestic Properties of Cr<sub>2</sub>O<sub>3</sub>/La<sub>2</sub>O<sub>3</sub> Doped Calcium-Copper-Titanate Electroceramics, The International Conference for Nanomaterial,4-5 July 2011, Malaysia.*
- *Paint and Coating Inspection, Book, A. Keyvani, A. Shamsipoor, H. Haghghat, In Persian, Under Publication.*

**Key Taken  
Courses**

- Advanced corrosion
- Hot oxidation and corrosion
- Advanced Thermodynamics
- Cathodic and anodic protection
- Paint and Coatings

**Languages** Persian, English (getting prepared to get IELTS and TOEFL)

**References**

- Mohammad Farvizi, Assistant Professor of Materials Science and Engineering – Ceramic Department, Materials & Energy Research Center, Karaj, mmfarvizi@merc.ac.ir. mmfarvizi@yahoo.com.
- Mansour Razavi, Assistant Professor of Materials Science and Engineering – Ceramic Department, Materials & Energy Research Center, m-razavi@merc.ac.ir.
- A. Keyvani, Assistant Professor of Materials Science and Engineering, Shahrekord University, Keyvani@sku.ac.ir.
- A. Amini, Assistant Professor of Materials Science and Engineering, Shiraz University of Technology, ramini2002@gmail.com.