

Identification



Full name: Sadegh Karimi (Adad)

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Address: University of Tehran, Amirabad, Tehran, Iran, 1684613114

Education

- **B.S.** 2010 (Mechanical Engineering / Fluid Dynamics), Shiraz University, Overall GPA: 3/4.0. Major GPA: 3.2
- **MSc.** 2013 (Mechanical Engineering / Fluid Dynamic), Iran University of Science and Technology, Overall GPA: 3.32/4.0. Major GPA: 3.4
- **PhD Student** (Mechanical Engineering / Aerospace), University of Tehran,

Dissertation/Dissertation Abstract

- **Design, fabrication and test of Autonomous Underwater Vehicles (AUV)/** 2010, School of Mechanical Engineering.
- **Design, fabrication and test of Propulsion Wave Rotor /** 2013, Supervisor: Dr. Sayyed Mostafa Hosseinalipoor, School of Mechanical Engineering.
- **Experimental and Numerical Investigation of CNGDI Engines Combustion.** / Supervisor: Dr. Vahid Esfahanian

Awards, Fellowships, Honors, Grants

- Physic Olympiad, 2004
- The 2nd national RC & AUV submarine competition award. 2009
- Outstanding Student (M. Sc. Iran University of Science and Technology, Iran 2013).
- Machine Design and Electrical Motorcycle Competitions, 2015

Work Submitted, Work in Progress and Research Experience

- **ADAD Marine Science and Technology Company**, Marine Technologies and Vehicles.
- **ADAD Turbomachines Company**, Turbomachines.
- **ADAD Motorcycle Company**, Motorcycle Design and Manufacturing and Technologies.
- **ADAD Hybrid Vehicles Company**, Hybrid Vehicle.
- **ADAD Fluid Research Institute**, Fluid Research.
- **BNAS Company**, design and manufacturing of compressors.
- **Energy Research Laboratory** in Iran University of Science and Technology.
- **Vehicle, Fuel and Environment Research Institute**, University of Tehran.

Teaching Experience and Teacher Assistant

- **Turbulence** course and **boundary layer theory** course / Iran University of Science and Technology / Mechanical Engineering Department (2012, 2013).
- **Turbulence** course / University of Tehran / Aerospace Department (2013).
- **OpenFOAM** / User Training Course
- **OpenFOAM** / Advanced Training Course
- **OpenFOAM** / Programming Course
- **OpenFOAM** / Individual Course
- **CFD** / University of Tehran

Languages

<i>Language</i>	<i>Understanding</i>	<i>Speaking</i>	<i>Writing</i>	<i>Exam.</i>
English	Fluent	Fluent	Fluent	27 Oct. TOEFL & 19 Oct. GRE
French	Fluent	Fluent	Fluent	
German	Fluent	Fluent	Fluent	
Persian	Proficient user	Proficient user	Proficient user	

Computer Skills

- **Operating Systems:** Windows, Linux.
- **Engine:** LabVIEW, Converge, Fire, Boost.
- **Computer Languages:** C/C++, FORTRAN.
- **Scientific Applications:** MATLAB/Simulink, Maple.
- **Technical Drawing:** Solid Work, CATIA, Pro Engineer.
- **Tools:** OpenFOAM, Fluent ANSYS, Gambit, ICEM.
- **Office Applications:** Microsoft PowerPoint, Access, Excel, Word, Lotus Notes.

References

Dr. Vahid Esfahanian

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Dr. Sayed Mostafa Hosseinalipoor

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