

# Curriculum Vitae

## Personal and Contact Information:

- **Name:** Hamidreza Mahmoodi
- **Date of Birth:** 24.2.1996
- **Gender:** Male
- **Marital Status:** Single
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## Education:

- 2019- now.

### **M.Sc. in Marine Engineering.**

Sharif University of Science and Technology (SUT), Tehran, Iran.

- 2015-2019.

### **B.Sc. in Naval Architecture.**

Department of Marine Engineering, Khorramshahr Marine Science and Technology University, Khorramshahr, Khuzestan, Iran.

Overall GPA: 16.38/20.

## Selected Publications:

- Ghamari, Isar, **Hamid Reza Mohmoudi**, Ahmad Hajivand, and Mohammad Saeed Seif. "Ship Roll Analysis Using CFD-Derived Roll Damping; Numerical and Experimental Study." *Journal of Marine Science and Application*, Under Review, 2020.
- Ghamari, Isar, Mohammad Saeed Seif, **Hamid Reza Mohmoudi**, "Numerical and Experimental Analysis of the Roll Moment due to the Free-Surface Anti-Roll Tanks." *MODARES Mechanical Engineering Journal*, ISSN: 2476-6909; 2021;21(9):641-650.

## Fields of Interest:

- Naval Hydrodynamics.
- Computational Fluid Dynamic (CFD).

- Ship Seakeeping and Maneuver.
- Naval Architecture and Marine Technology.
- Ship design, stability and hydrostatics analysis.
- Ship Resistance and Propulsion.

### Teaching Experiences:

- Teaching of AutoCAD software as a course, Khorramshahr Marine Science and Technology University, spring 2019.
- Teaching of Star CCM+ software as a course, Sharif University of Science and Technology (SUT), Tehran, Iran, Spring 2021.

### Computer Skills:

- **Programming Languages:** MATLAB, Python.
- **Softwares:** AutoCAD, Rhino, StarCCM+, Prop CAD, MaxSurf (Some modules), OpenFoam, Adobe Illustrator.
- **General:** Windows, Linux, Microsoft Office Package.

### Languages:

- **Persian,** Mother Tongue.
- **English,** Fluent.

### References:

- **Mohammad Saeed Seif**

Professor of Marine Hydrodynamics, Sharif University of Technology, Iran

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- **Ahmad Hajivand**

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- **Isar Ghamari**

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