

## PERSONAL INFORMATION

Morteza AhmadiVala



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Sex Male | Date of birth 21/03/1986 | Nationality Iranian

STUDIES APPLIED FOR    INFRASTAR Early Stage Researcher

## WORK EXPERIENCE

01/09/2009–01/11/2010    **Mechanical engineer**  
Marine Industrial Organization, Tehran (Iran)  
Consultant, and designer engineer in this organization for more than 1 year

01/03/2009–01/03/2011    **Ships' engineer**  
Amirkabir University of Technology, Tehran (Iran)  
Worked for my university as a Master's student to conduct some full scale experiments within sea waves, and ship designing

23/01/2013–23/01/2016    **Lab instructor and teaching assistant for six semesters**  
Istanbul Sehir University, Istanbul (Turkey)  
Lab instructor for physics I and II (in English)  
Teaching Assistant for Physics I and II courses (in English)  
Teaching Assistant for Probability and Statistics course (in English)

10/10/2011–10/10/2012    **Librarian**  
Military Service, Tehran (Iran)

## EDUCATION AND TRAINING

25/01/2013–Present    **Master of Science in Industrial and Systems Engineering**  
Istanbul Sehir University, Istanbul (Turkey)  
Thesis Topic: A Simulation Based Approach for Reliability Evaluation and Optimization of Time-Dependent Systems: A Case Study of a Production System (Barin Plast Company)

01/09/2008–15/03/2011    **Master of Science in Mechanical (Marine) Engineering (Hydro-mechanics)**  
Amirkabir University of Technology, Tehran (Iran)  
Thesis Topic: Parametric Study of Sea keeping Quality of Planing Vessels in Waves (Full Scale Measurement)

01/09/2004–01/08/2008 Bachelor of Science in Marine Engineering and Naval Architecture  
Amirkabir University of Technology, Tehran (Iran)

PERSONAL SKILLS

Mother tongue(s) Persian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

**Communication skills** - Very good communication skills based on my experience in labs and classrooms with more than 400 different students and also studying in an international university  
- High level of team working which I achieved in different workplaces such as universities, companies and also military service

**Organisational / managerial skills** By two Master's degrees and some work experiences, I have learnt many different skills like team working, conducting experiments in different areas, and working within different sectors of engineering.

**My Interests Include** Interdisciplinary fields between Mechanical (Marine Engineering) and Systems Engineering especially in Reliability and Risk Analysis, Wind Energy, Optimization, Experimental Hydro- Mechanics, Statistical Analysis, Measurement and Experimental Studies, and Project Management.

**Job-related skills** - Good familiarity with real working conditions by conducting full scale experiments for my first thesis, and good familiarity with abroad working conditions by accomplishing my second Master's degree with an international environment

**Related Studies** - Working as a consultant and designer engineer for 1 year.  
Project Management, Design of Experiments, Stochastic Processes, Probability and Statistics, Advanced Materials Science for Engineers, Quality Design and Control, and relevant courses in Marine Engineering and Hydro-Mechanics

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Proficient user	Independent user	Proficient user	Proficient user

Digital competences - Self-assessment grid

- Good command of Minitab
- Good command of CAD software like Auto CAD, Catia, Rhino
- Good command of Microsoft Office suit
- Good command of MS Project
- Auto-Ship and Auto-Hydro
- Good command of Latex
- Good command of simulation with ARENA
- Average command of FORTRAN Programming
- Familiar with R Programming
- Familiar with MATLAB Programming

## ADDITIONAL INFORMATION

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### Publications

- Parametric Study of Seakeeping Quality of High Speed Crafts within Field Study, H. Zeratgar, M. Ahmadivala, 13<sup>th</sup> Iran Marine Industrial Conference
- Effects of Wave Making on Lift and Resistance of Planning Crafts, H. Kazemi, M. Ahmadivala, 14<sup>th</sup> Iran Marine Industrial Conference
- Working on a Journal paper as an outcome of my thesis in reliability engineering

### Projects

Cooperate with Dr. Amir Azaron on Time Dependent Systems Reliability, for My Second Master's Dissertation

Cooperate with Dr. H. Zeraatgar on Parametric Study of Sea keeping Quality of Planing Vessels in Waves (Full Scale Measurement) as My First Master's Thesis

Policy Design and Options for Urban Sustainable Mobility and Impacts on Public Health-Case Study for Istanbul and Altunizade District (course project)

Cooperate with Dr. H. Zeraatgar for editing the Damage Stability Book (not published yet)

Cooperate with Dr. H.Zeraatgar in a high speed craft design

Research on slamming force on high speed crafts

### References

Dr. Amir Azaron, Associate professor at Istanbul Sehir University, E-mail: [amirazaron@sehir.edu.tr](mailto:amirazaron@sehir.edu.tr)

Prof. Yani Iskarlatos, professor at Istanbul Sehir University E-mail: [yaniiskarlatos@sehir.edu.tr](mailto:yaniiskarlatos@sehir.edu.tr)