



Ahmad hajivand

Assistant Professor

College: Faculty of Marine Engineering

Education

Degree	Graduated in	Major	University
BSc	2008	Naval Architecture	Amirkabir University of Technology
MSc	2010	Marine Hydrodynamic	Amirkabir University of Technology
Ph.D	2015	Marine Engineering	Amirkabir University of Technology

Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
Khorramshahr University of Marine Science and Technology	Dean of the Faculty	Tenure Track	Full Time	

Work Experience

- 2019-2020: Vice Dean of Research Affairs at the Faculty of Marine Engineering
- 2021-2022: University Student Affairs Manager
- 2022-2024: Vice Dean of Educational Affairs at the Faculty of Marine Engineering
- 2024-present: Dean of the Faculty of Marine Engineering

Awards

- 2018-2022: Distinguished scholar award at KMSU
- 2022: Arvand Free Zone's top engineering researcher
- 2020-2022: Faculty Merit Award for Teaching and Instruction Performance

Subjects Taught

Ship Hydrodynamics I&II

Marine vehicles Maneuvering

Computational Ship Design

Fluid Mechanics I&II

Water Wave Theory

Linear Control Theory

Hydrodynamics of High-speed Crafts

Papers in Conferences

1. A Hajivand, SH Mousavizadegan ,The effect of memory in observer design for a DP system ,ASME 2010 International Mechanical Engineering Congress and Exposition ,2010 12 18.
2. A Hajivand, SH Mousavizadegan ,The effect of memory in passive nonlinear observer design for a DP system ,Proceedings of the Dynamic Positioning Conference ,2010 12 10.

Papers in Journals

1. Ahmad Hajivand, aghil daraee.A hybrid method for the hydrodynamic analysis of SWATH vessel.Journal of Marine Science and Technology.۲۰۱۹.
2. Ahmad Hajivand, Hesamoddin Ravanbakhsh.Investigation the effect of geometric parameters on hydrodynamic behavior of multihull vessels.Journal of Marine Science and Technology.۲۰۱۸.
3. Shahrzad Nikbakht, Ahmad Hajivand, Mostafa Jafarzadeh Khatibani.Investigation the effect of wave length and incident angle on ship added resistance in regular wave.Journal of Marine Science and Technology.۲۰۱۷.
4. Moloud Ariyan, Ahmad Hajivand, Etemadodin Rabei Gholami.Calculation of rudder hydrodynamic coefficients by simulation of static towing test.Journal of Marine Science and Technology.۲۰۱۷.
5. AHMAD HAJIVAND, MEHDI HASSANI, MEHDI BABAIE, MOHSEN SADEGHIAN.Calculation of AUV hydrodynamic coefficients using computational fluid dynamic.IRANIAN JOURNAL OF MARINE TECHNOLOGY.۲۰۱۶ ۰۱ ۰۱.
6. Amir Arsalan Shayanpoor, Ahmad Hajivand, Masih Moore,Hydroelastic Analysis of Composite Marine Propeller Basis Fluid-Structure Interaction,International Journal of Maritime Technology,2020 08 05.
7. Mohammad Sadegh, Ahmad Hajivand,Investigation the effect of canted rudder on the roll damping of a twin-rudder ship,Applied Ocean Research,2020 08 01.
8. Ali Hasanvand, Ahmad Hajivand,Investigating the effect of rudder profile on 6DOF ship turning performance,Applied Ocean Research,2019 08 31.
9. Ahmad Hajivand, S Hossein Mousavizadegan, Mohsen Sadeghian, Manochehr Fadavi,Effect Of Hydroplane Profile On Hydrodynamic Coefficients Of An Autonomous Underwater Vehicle,Brodogradnja,2016 03 31.
10. Ahmad Hajivand ,& S.Hossein Mousavizadegan,Virtual simulation of maneuvering captive tests for a surface vessel,International journal of naval architecture and ocean engineering,2015 06 24.
11. Ahmad Hajivand ,& S.Hossein Mousavizadegan,Virtual maneuvering test in CFD media in presence of free surface,International journal of naval architecture and ocean engineering,2015 05 01.

Thesis

1. Investigation the effects of shallow water and channel sides effects on a planning hull hydrodynamic
2. The effect of geometrical parameters on hydraulic jump performance in stilling basin
3. Investigation the Effects of submarine Hull curvature on the boundary layer characteristics
4. added resistance calculations caused by irregular wave by using CFD
5. Investigation of flow pattern around series of spur in 90 degree arc