



Tarbiat Modares University
Department of Marine Structures
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Iran

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Education

- Sep 2016 – Oct 2020* **Tarbiat Modares University**
PhD, Coasts, Ports and Marine Structures Engineering
Tehrān, Iran
- Oct 2014 – Sep 2016* **Tarbiat Modares University**
MS, Coasts, Ports and Marine Structures Engineering
Tehrān, Iran
- Sep 2010 – Sep 2014* **University of Tehran**
BSc, Civil Engineering
Tehrān, Iran

Thesis

Research Experience

- Sep 2016 – present* **PhD Student**
Tarbiat Modares University, Department of Hydraulic Structures and Marine Sciences
Tehrān, Iran
- Mar 2015 – May 2016* **Team Member**
Road, Housing and Urban Development Research Center, Department of Transportation
Tehrān, Iran

Statistics

Publications 21
Citations 9

Awards & Grants

- Feb 2016* Award: Ranked 15 in Civil Engineering (1st in Marine Structures) PhD Entrance Exam
- Dec 2015* Award: Best M.S. Student of Iran in Marine Science Field

May 2010 Award: Ranked 186 in Foreign Languages B.S. Entrance Exam

May 2010 Award: Ranked 188 in Engineering and Mathematics Sciences B.S. Entrance Exam

Skills & Activities

Skills Civil Engineering, Tidal Energy, Reliability-based design, probabilistic design, CFD modelling

Languages English, Persian

Scientific Memberships Student Committee Member at Iranian Association of Naval Architecture and Marine Engineering

Interests Probabilistic design, Renewable energies, Reliability based design optimization

Books

Soheil Radfar, Hosein Heydarinoori, Azadeh Hoseinpanahi: *Failures in concrete structures (in Persian)* 05/2017; Miaadpub., ISBN: 9786008540526

Soheil Radfar, Amir Irandoust: *An Introduction to VBA Programming in Excel (in Persian)*. 09/2015; Da Publication.

Journal Publications

Roozbeh Panahi, Amir Taherkhani, Soheil Radfar, Ali Ghasemi: *Standardization of the main dimensions of design ships for the Caspian Sea ports*. Proceedings of the Institution of Mechanical Engineers Part M Journal of Engineering for the Maritime Environment 05/2018;; DOI:10.1177/1475090218767303

Soheil Radfar, Roozbeh Panahi, Teymour Javaherchi, Siyavash Filom, Ahmad Rezaee Mazyaki: *A Comprehensive Insight into Tidal Stream Energy Farms in Iran*. Renewable and Sustainable Energy Reviews 05/2017; 79:323–338., DOI:10.1016/j.rser.2017.05.037

Soheil Radfar, Amir Taherkhani, Roozbeh Panahi: *Standardization of the Main Dimensions of Design Container Ships in Ports – A Case Study*. World Journal of Engineering and Technology 01/2017; 05(04):51-61., DOI:10.4236/wjet.2017.54B006

Alireza Sadat Hosseini, Soheil Radfar, Roozbeh Panahi: *Developing new formulae for prediction of mean overtopping discharge at vertical walls*. Journal of Marine Science and Technology 11/2016,, DOI:10.1007/s00773-016-0421-y

Atena Amiri, Roozbeh Panahi, Soheil Radfar: *Parametric study of two-body floating-point wave absorber*. Journal of Marine Science and Application 03/2016; 15(1):41-49., DOI:10.1007/s11804-016-1342-1
1342-1

Conference Proceedings

- Soheil Radfar, Mehdi Shafieefar: *Probabilistic design of berm breakwater; A case study in Rudik port (in Persian)*. 19th Marine Industries Conference, Kish, Iran; 12/2017
- Mansooreh Mohammadi, Mehdi Shafieefar, Soheil Radfar: *Numerical modeling of single brine jet using finite volume method (in Persian)*. 19th Marine Industries Conference, Kish, Iran; 12/2017
- Soheil Radfar, Hasan Akbari: *Numerical investigation of the effect of sloshing in a 2D tank under harmonic excitation in lagrangian coordinates (in Persian)*. 7th International Offshore Industries Conference, Tehran, Iran; 05/2017
- Mohammad Javad Mohajeri, Mehdi Shafieefar, Soheil Radfar: *NUMERICAL MODELING OF NON-COHESIVE CONTACT IN MULTI-BODY HYDRODYNAMIC SYSTEMS WITH SPH*. ICCE2016; 05/2017, DOI:10.9753/icce.v35.structures.49
- Soheil Radfar, Atena Amiri: *PARAMETRIC STUDY OF HYDRODYNAMIC PERFORMANCE OF TWIN-PANTOON FLOATING BREAKWATER*. ICOPMAS2016; 11/2016
- Soheil Radfar, Roozbeh Panahi, Amir Teymour Javaherchi Mozafari, Hamed Khalilpour: *INVESTIGATION ON PERFORMANCE AND ARRAY OPTIMIZATION OF AN OPERATING MARINE HYDROKINETIC (MHK) TURBINE FARM IN GREAT-TONB OF IRAN*. ICOPMAS2016; 11/2016
- Soheil Radfar, Roozbeh Panahi, Siyavash Filom: *Economic study of developing tidal stream energy in persian gulf; a case study of Hengam island (in Persian)*. 18th Marine Industries Conference; 10/2016
- Soheil Radfar, Siyavash Filom, Roozbeh Panahi, Saeed Khorram: *Investigation on the routes of incoming vessels at quays number 25 and 26 of the No.2 container terminal of Shahid Rajaie port (in Persian)*. 18th Marine Industries Conference; 10/2016
- Soheil Radfar, Mohsen Salmani, Mehdi Shafieefar: *Political, economic, social, technological, environmental and legal (PESTEL) analysis of land reclamation from sea (in Persian)*. 18th Marine Industries Conference; 10/2016
- Soheil Radfar, Mansooreh Mohammadi, Mehdi Shafieefar: *Political, economic, environmental, socio-cultural and technical (PEEST) analysis of developing desalination plants in southern coasts of Iran, with special approach to resilience economy and sixth development master plan*. 18th Marine Industries Conference; 10/2016
- Soheil Radfar, Roozbeh Panahi, Ahmad Rezaee Mazyaki: *روش دو کمک به جزرومدی انرژی مزرعه در جزرومدی های مولفه میانگین استخراج : مایک مدل و جزرومدی اطلس نقشه شهری مدیریت و معماری عمران، مهندسی در پژوهشی نوین های یافته المللی بین کنفرانس دومین. فارس خلیج در موردی مطالعه ؛ مایک مدل و جزرومدی اطلس نقشه* 04/2016
- Soheil Radfar, Siyavash Filom: *شناورها اصلی سوخت عنوان به LNG سوخت جایگزینی بانکرینگ؛ صنعت در ایران روی پیش فرصتهای بررسی* 04/2016
معماری ، برق ، مکانیک و عمران مهندسی محوری توسعه سراسری کنفرانس سومین

Soheil Radfar, Roozbeh Panahi, Ahmad Rezaee Mazyaki: سنجی امکان‌های سایت شناسایی و سنجی امکان‌ها
در مدی و جزر انرژی استحصال بالقوه‌های سایت شناسایی و سنجی امکان‌ها در بندر پهله کمک به فارس خلیج
Mike21. 17th Marine Industries Conference; 12/2015

Soheil Radfar, Alireza Sadat Hosseini, Roozbeh Panahi: *Prediction of mean overtopping discharge at vertical walls on horizontal foreshore*. 6th International Offshore Industries Conference; 05/2015