

Curriculum Vitae

Personal Information:

Name: Mehdi Ezzati

Date of Birth: 15 September, 1986

Marital Status: single

City of Birth: Tehran-Iran

City of Residence: Tehran-Iran



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Home Address: number 6, Badindeh alley, North Salimi street, Andazgoo Blvd.
Tehran.

E-mail: Ezzati221@Gmail.com
Mezzati@sina.kntu.ac.ir

Education and Qualification:

[September 2013 – 2018]

Doctor of philosophy in Marine Structural Engineering

Department of Civil Engineering, Nooshirvani Institute of Technology, Babol-Iran

Ranked 1th among all Civil Engineering students

Final Gpa: 19.25/20

[September 2010 – January 2013]

Master of science in Marine Structural Engineering

Department of Civil Engineering, Khaje Nasir Toosi (KNTU) University of
Technology, Tehran-Iran

Ranked 1th among all Marine Structural Engineering students

Final Gpa: 17.21/20

[September 2004 - August 2009]

Bachelor of science in civil engineering

Department of Civil Engineering, Islamic Azad University of Zanjan, Zanjan-Iran

Final Gpa: 16.61/20

Master of Science Dissertation:

Strain ratcheting of dented steel submarine pipelines under axial cycling, Supervisor, Professor M. Zeinoddini.

Doctor of philosophy Dissertation:

Strain ratcheting failure of defected steel submarine pipes under combined internal pressure and asymmetric inelastic cycling. Supervisor, Professor M. Naghipour.

Publications:

Conferences

- M. Ezzati, M. Zeinoddini, “Effect of Imperfection on Compressive Response of Steel Tubular Member”, 14th Marine Industries Conference, 2012 (In Persian).
- M. Ezzati, M. Zeinoddini, “Experimental Study on Response of Steel Tubular Member under Lateral Impacts”, 14th Marine Industries Conference, 2012 (In Persian).
- Bagheri M., Farhangmehr A., Ezzati M., Haghshenas S.A., Tabatabaee, M. Nemati M., (2018): Study of Current Behaviour in Iranian Coastline of the Oman Sea, Based on Field Measurement Data, *13th International Conference on Coasts, Ports & Marine Structures, ICOPMAS*, Tehran, Iran.

Journals

- M. Ezzati, M. Zeinoddini, “An Experimental/Numerical Study on the Sensitivity of Axial Compressive Load Bearing Response of Steel Tubular to Geometrical Imperfections”, *International Journal of Maritime Technology*, Vol. 8, No.16, Fall & Winter 2012 (In Persian).

- M. Zeinoddini, H. Arabzadeh, M. Ezzati, G.A.R. Parke, “Response of Submarine Pipelines to Impacts from Dropped Objects: Bed Flexibility Effects”, *International Journal of Impact Engineering*, Vol. 62, p. 129-141, 2013- Q1 Journal.
- M. Ezzati, M. Zeinoddini, T. Masoudi, “Assessment of Force-Deflection Relations of Steel Tubular Members under Lateral Quasi-Static Impacts From Dropped Objects”, *International Journal of Maritime Technology*, Vol.10, No.20, Fall & Winter 2014 (in Persian).
 - M. Zeinoddini, M. Ezzati, J. Fakheri, “Uniaxial Strain Ratcheting Behavior of Dented Steel Tubular Member: An Experimental Study”, *International Journal of Engineering Failure Analysis*, Vol. 44, p. 202-216, 2014 – Q1 Journal.
 - M. Zeinoddini, M. Peykanu, M. Varshosaz, M. Ezzati and S.J. Zakavi, “Ratcheting Behaviour of Corroded Steel Tubes Under Uniaxial Cycling: An Experimental Investigation”, *International Journal of Constructional Steel Research*, Vol. 113, p. 234-246, 2015 – Q1 Journal.
 - M. Zeinoddini, M. Ezzati, G. A. R. Parke, “Plastic buckling, wrinkling and collapse behaviour of dented X80 steel line pipes under axial compression”, *International Journal of Loss Prevention in the Process Industries*, Vol. 38, p. 67-78, 2015 – Q1 Journal.
 - M. Zeinoddini, M. Motamedi, A.P. Zandi, M. Talebi, M. Shariyai, M. Ezzati, “On the ratcheting of defective low-alloy, high strength steel pipes (API-5L-X80) under cyclic bending: An experimental study”, *International journal of Mechanical Science*, Vol. 130, p. 518-533, 2017 – Q1 Journal.
 - M. Naghipour, M. Ezzati, M. Elyasi, “Experimental investigation steel pipes with mechanical defect under axial compression”, *Modares Mechanical Engineering journal*, Vol. 04, p. 437-446, 2018 (In Persian).
 - M. Naghipour, M. Ezzati, M. Elyasi, “Analysis of High-Strength Pressurized Pipes (API-5L-X80) with Local Gouge and Dent Defect”, *Applied Ocean Research Journal*, 2018, 78, pp. 33-49 – Q1 Journal.
 - M. Ezzati, M. Naghipour, M. Zeioddini, A.P. Zandi, M. Elyasi, “Strain ratcheting failure of dented steel submarine pipes under combined internal pressure and asymmetric inelastic cycling” *Ocean Engineering Journal*, 2021, 219-108336 – Q1 Journal.

- Arnavaz, S., Zeinoddini, M., Ezzati, M., Zandi, A. P., & Yadegari, M. J. (2022). Uniaxial strain ratcheting of steel butt-welded joints after multiple-repair welding. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, 44(2), 1-17 – Q2 Journal.

Metrics Overview:



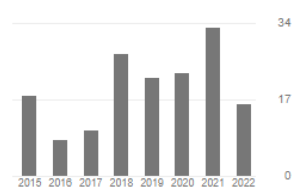
mehdi ezzati 
 Babol Noshirvani university of technology
 Verified email at sina.kntu.ac.ir
 offshore and coastal engine...

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TITLE	CITED BY	YEAR
<input type="checkbox"/> Response of submarine pipelines to impacts from dropped objects: Bed flexibility effects M Zeinoddini, H Arabzadeh, M Ezzati, GAR Parke International Journal of Impact Engineering 62, 129-141	56	2013
<input type="checkbox"/> Uniaxial strain ratcheting behavior of dented steel tubular: An experimental study M Zeinoddini, M Ezzati, J Fakheri Engineering Failure Analysis 44, 202-216	26	2014
<input type="checkbox"/> Plastic buckling, wrinkling and collapse behaviour of dented X80 steel line pipes under axial compression M Zeinoddini, M Ezzati, GAR Parke Journal of Loss Prevention in the Process Industries 38, 67-78	20	2015
<input type="checkbox"/> Ratcheting behaviour of corroded steel tubes under uniaxial cycling: An experimental investigation M Zeinoddini, M Peykanu, M Varshosaz, M Ezzati, SJ Zakavi Journal of Constructional Steel Research 113, 234-246	19	2015
<input type="checkbox"/> Analysis of high-strength pressurized pipes (API-5L-X80) with local gouge and dent defect M Naghipour, M Ezzati, M Elyasi Applied Ocean Research 78, 33-49	15	2018
<input type="checkbox"/> On the ratcheting of defective low-alloy, high-strength steel pipes (API-5L X80) under cyclic bending: An experimental study M Zeinoddini, M Mo'tamedi, AP Zandi, M Talebi, M Shariati, M Ezzati International Journal of Mechanical Sciences 130, 518-533	12	2017
<input type="checkbox"/> Strain ratcheting failure of dented steel submarine pipes under combined internal pressure and asymmetric inelastic cycling M Ezzati, M Naghipour, M Zeinoddini, AP Zandi, M Elyasi Ocean Engineering 219, 108336	8	2021
<input type="checkbox"/> Experimental investigation of pressurized steel pipes with mechanical defect under axial compression M Ezzati, M Elyasi Modares Mechanical Engineering 18 (5), 172-181	1	2018
<input type="checkbox"/> Assessment of Force-Deflection Relations of Steel Tubular Members under Lateral Quasi-Static Impacts from Dropped Objects M Ezzati, M Zeinoddini, T Masoudi Journal Of Marine Engineering 10 (20), 79-88	1	2015
<input type="checkbox"/> An Experimental/Numerical Study on the Sensitivity of Axial Compressive Load Bearing Response of Steel Tubular to Geometrical Imperfections M Ezzati, M Zeinoddini International Journal of Maritime Technology 16, 95-105	1	2012
<input type="checkbox"/> Uniaxial strain ratcheting of steel butt-welded joints after multiple-repair welding S Arnavaz, M Zeinoddini, M Ezzati, AP Zandi, MJ Yadegari Journal of the Brazilian Society of Mechanical Sciences and Engineering 44 ...		2022

Cited by

	All	Since 2017
Citations	156	131
h-index	7	7
i10-index	6	6



Co-authors

[EDIT](#)

No co-authors

Experiences as an Academic Member:

- **Teaching Assistant (2018-2019):** conducted weekly teaching ABAQUS software & problem solving sessions in "Non-Linear Analysis of Structures" course, Presented by Professor M. Zeinoddini.

- **Teaching Fundamental Engineering Courses (June 2014-2017):** Included: Static Analysis, Analysis of Structures, Earthquake Engineering, Design of Steel Structures) at Azad Islamic University of Parand.
- **Senior Lecturer at Ports & Maritime Organization of Iran (2021):** Course title: Introduction to oceanographic field measurements, instruments and data analysis, No. of attendees: 75
- **Advisor thesis (2020-present):**

I am pleasure to work with master of science students as an advisor in K. N. Toosi university of technology under supervision of Dr. Mostafa Zeinoddini. Advisor in Experimental study of the strain ratcheting in additively manufactured 316L steels.

Key skills:

Practical:

Expertise in a variety of the experimental and laboratory equipment

Computing:

Familiarity with numerical methods in structural, mechanical, impact and offshore engineering, Advanced finite volume programs for fluid mechanics.

Patents:

Design and building a CODE/DAVIS drifter to acquire coastal and estuarine water current within a meter of the water surface. This instrument utilizes in float tracking operation. The drifter consists of a rod and two perpendicular plate. This assembly floats on the water by a buoy. The buoy has sufficient buoyancy to remain visible throughout the measurement. A float tracking system is combined with a handy GPS. The system is deployed in tracking mode. In this case the float tracker saves the positioning data. This system was successfully tested in the Persian Gulf during several campaigns.

Reviewer for:

International Journal of Maritime Technology

International journal of Brazilian society of mechanical sciences and engineering

Projects and Research Experiences:

- A Numerical IDIA Study Of Lateral Impacts On Pressurized Flexibly Supported Submarine Steel Pipelines (2013).
- Numerical Study on Layer Stacking of Composites Material Under Uni-Axial Loading (2014).
- Numerical Study On Effect of Presence of Concrete in Steel T-Joints on S.C.F. (2016)
- Strain Ratcheting behavior of additive manufactured 316l steels (2020-present).

Technical Skills:

- General Software: Microsoft Word, Microsoft Excel, Microsoft Power Point.
- Civil Engineering Software: Etabs, Sap, Safe, Auto-CAD.
- Marine Software: Mike, Sacs & Moses.
- Finite Element Software: ABAQUS (Professional: I'm able to model different structural members with different types of elements and materials and able to model piles and soils).
- Data Processing Software: Storm, Aquadopp, Quickwave, Wavemon, Waveview
- Computer Programming Languages: Programing with Matlab, Fortran

Work Experiences:

- **Design of Steel & Reinforced Concrete Structures (2010-2013)**
- **Project Manager and advisor at “Darya Negar Pars” consulting engineering, 2010-present.**
 - ✓ Field Measurement and Data processing of Oman Sea and Makran Coastline; Including measurements of: Wave, Current, Water elevation, Meteorological Parameters, Sediment Sampling and etc.
 - ✓ Field Measurement of Khouzestan Coastline in the Persian Gulf; Including measurements of: Wave, Current, Water elevation, Meteorological

Parameters, Sediment Sampling and etc. Waves and Currents forecasting for the Persian Gulf.

- ✓ Monitoring and Modelling Studies of Abumousa Port Development
- ✓ Monitoring & Modelling Studies of Hormozgan Provinces Coastline in the Persian Gulf
- ✓ Monitoring & Modelling Studies of Sistan and Baluchistan and Bushehr Coastline in Oman Sea and Persian Gulf
- ✓ Measurements of Parameters such as Wave, Hydrography & Topography within the area of Kish Commercial Port
- ✓ Hydrographical Surveying in Small Port Development Project in 20 Sites
- ✓ Design of Riprap in downward of Nakhiloo port against severe erosion
- ✓ Design of Breakwater rehabilitation, Port of Kong, Persian Gulf
- ✓ Design of Breakwater, Water Intake, Moghuyeh Fish farm Site.
- ✓ Design of Breakwater, Water Intake, Gourdim Fish farm Site.
- ✓ Preparing of “Atlas of the Persian Gulf” for Ports and Maritime Organization of Iran.
- ✓ Head of Data Processing team of Sirik Power Plant.
- ✓ Head of design team for coastal protection structures of SIRIK Power Plant.