

Behrang Tavousi Tehrani

Personal Information

Nationality: [Iranian](#)

Date of Birth: 24 July 1990

Marital Status: Single

Mobile Phone: +98 9173697124

E-mail: Behrang.tavousi@gmail.com, Behrang.tavousi@aut.ac.ir

Website: <https://tavousi.yolasite.com/>



[LinkedIn Profile](#)



[ResearchGate Profile](#)



[Google Scholar Profile](#)



[Instagram Profile](#)

Education

❑ **M.Sc. in Structural Engineering (2013-2016)**

[Amirkabir University of Technology \(Tehran Polytechnic\)](#), **Tehran, Tehran, Iran.**

Research Topic: Buckling & Post-Buckling Strength improvement of Laminated Plates using SMA wires

Supervised by [Prof. M.Z. Kabir](#)

GPA: 15.56/20



❑ **B.Sc. in Civil Engineering (2008-2013)**

[University of Hormozgan](#), **Bandarabbas, Hormozgan, Iran.**

GPA: 16.30/20



❑ **Diploma in Mathematics & Physics (2004-2008)**

[National Organization for Development of Exceptional Talents \(NODET\)](#) : **Shahid Haghani Highschool, Bandarabbas, Hormozgan, Iran.**

GPA: 17.64/20



Research Interests

- ✓ Composite Structures
- ✓ Smart Materials
- ✓ Structural Stability

Journal Publications

- [1] M.-Z. Kabir and **B. Tavousi Tehrani**, “Closed-form solution for thermal, mechanical, and thermo-mechanical buckling and post-buckling of SMA composite plates,” *Composite Structures*, vol. 168, pp. 535–548, May 2017.
DOI: [10.1016/j.compstruct.2017.02.046](https://doi.org/10.1016/j.compstruct.2017.02.046)
- CiteScore: **4.52**
 - Impact Factor: **4.101**
 - 5-Year Impact Factor: **4.451**
 - Source Normalized Impact per Paper (SNIP): **1.939**
 - SCImago Journal Rank (SJR): **1.905**
- [2] **B. Tavousi Tehrani** and M.-Z. Kabir, “Non-linear load-deflection response of SMA composite plate resting on winkler-pasternak type elastic foundation under various mechanical and thermal loading,” *Thin-Walled Structures*, vol. 129, no. C, pp. 391–403, Aug. 2018.
DOI: [10.1016/j.tws.2018.04.017](https://doi.org/10.1016/j.tws.2018.04.017)
- CiteScore: **3.32**
 - Impact Factor: **2.881**
 - 5-Year Impact Factor: **3.037**
 - Source Normalized Impact per Paper (SNIP): **1.774**
 - SCImago Journal Rank (SJR): **1.672**
- [3] **B. Tavousi Tehrani** and M.-Z. Kabir, “Non-Linear Load Deflection Response of ShapeMemory Alloys-Reinforced Composite Cylindrical Shells under Uniform Radial Load,” *International Journal of Materials and Metallurgical Engineering*, vol. 12, no. 8, pp. 336–342, 2018.
DAI: [10.1999/1307-6892/10009290](https://doi.org/10.1999/1307-6892/10009290)

Conference papers

- [1] **B. Tavousi Tehrani** and **H. Beheshti Seresht**, “Analytical Investigation on the Buckling of SMA Laminated Composite Cylindrical Shell with Eccentrically Stiffeners,” in *6th International Conference on Sciences and Engineering*, 2017.
[The Certification](#)

- [2] **B. Tavousi Tehrani**, **S. Shamel-Derakhshan**, and **H. Jarrahi Feriz**, “An overview on Active Confinement of Concrete column and piers Using SMAs,” in *2nd International Conference on researches in Science*, 2017.

[The Certification 1](#) - [The Certification 2](#)

- [3] **B. Tavousi Tehrani** and **A. Yazdi**, “Liquefaction Susceptibility Mapping in Bandar-Abbas city, Iran,” in *5th International Conference on Geotechnical Engineering and Soil Mechanics*, 2016.

[The Certification 1](#) - [The Certification 2](#)

- [4] **B. Tavousi Tehrani** and **M.-Z. Kabir**, “Thermal Buckling and Post-buckling of SMA Composite plates with various boundary conditions,” in *The 15th International Conference of Iranian Aerospace Society Civil Aviation Technology College*, 2016.

[The Certification](#)

- [5] **B. Tavousi Tehrani** and **M.-Z. Kabir**, “Buckling of Rectangular Plates Partially Restrained along Opposite Edges,” in *3rd National & 1st International Conference on Applied Research in Electrical, Mechanical & Mechatronics Engineering*, 2016.

[The Certification](#)

Skills

➤ Language Skills

- Farsi: Native language

- English : **TOEFL**

Score: **86** (Reading: 22, Listening: 20, Speaking: 22, Writing: 22)

[The Score Report](#)



- English : **GRE**

Score: **Not ready**



➤ **Computer Skills**

Skill	Computer software
FEM	ABAQUS ETABS SAP2000 SAFE
Programing	MATLAB C++
Architecture	Revit Architecture
Microsoft Office	Word, Excel, PowerPoint
Art/photography	Photoshop

Academic & Industrial Experiences

❑ **Teaching Experiences**

▪ **Course Instructor (February 2018 – July 2018)**

[Payame Noor University](#), Bandarabbas, Hormozgan, Iran.
Spring Semester 2018



- Faculty of Engineering - Course Name: **Construction Machinery**
[The Memorial Photo](#)
- Faculty of Engineering - Course Name: **Concrete Technology**
[The Memorial Photo](#)
- Faculty of Engineering - Course Name: **Concrete Technology Lab**
[The Memorial Photo](#)
- Faculty of Engineering - Course Name: **Principles of Construction Management**
[The Memorial Photo](#)

▪ **Course Instructor (July 2017 – December 2017)**

[Payame Noor University](#), Bandarabbas, Hormozgan, Iran.
Fall Semester 2017



- Faculty of Engineering - Course Name: **Construction Machinery**
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- Faculty of Engineering - Course Name: **Design of Steel Structures [Project]**

- **Teaching Assistant (February 2017 - Jun 2017)**

Amirkabir University of Technology (Tehran Polytechnic), Tehran, Tehran, Iran.

Spring Semester 2017

Course Instructor: [Parisa Shadan](#)



- Department of Chemical Engineering – Course Name: **Engineering Statics/Mechanics of Materials**
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- Department of Mining & Metallurgical Engineering – Course Name: **Mechanics of Materials I**
[The Certification](#)

- **Guitar Teacher (September 2008 - January 2009)**

University of Hormozgan, Bandarabbas, Hormozgan, Iran.

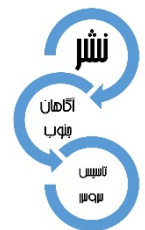
- Art & Music Center - Course Name: How to play a Guitar



- **Industrial Experiences**

- **Bookbinder - CD/Book Cover Designer (April 2018 - Current)**

- Agahane Jonoub Publication (AJP), Bandarabbas, Hormozgan, Iran.



- **Building Construction Supervisor (September 2013 - Current)**

- Hara Pouyaye Bandar Co. PVT, Bandarabbas, Hormozgan, Iran.



Website: <http://hara-pouyaye-bandar.yolasite.com/>

Journal Reviewer

- [Journal of Aerospace Engineering](#)
- [Journal of Solid Mechanics](#)
- [Iranian Journal of Science and Technology, Transactions of Mechanical Engineering](#)
- [Scientia Iranica Transactions A: Civil Engineering](#)
- [International Journal of Mechanical Engineering and Applications](#)
[The certificate](#)

Honors and Awards

- **2013:** One of the top students among 2008 B.Sc. civil engineering entrance students, University of Hormozgan.
- **2014:** Second place in The 5th National Physics Photography Contest, Department of Energy Engineering and Physics, Amirkabir University of Technology, Tehran, Tehran, Iran.

[The Photo](#)

- **2014:** Praiseworthy photo in The 5th National Physics Photography Contest, Department of Energy Engineering and Physics, Amirkabir University of Technology, Tehran, Tehran, Iran.

[The Photo](#)

- **2015:** First place in 1st PCSP Photography Contest, Department of Polymer Engineering & Color Technology, Amirkabir University of Technology, Tehran, Tehran, Iran.

[The Photo](#)

Academic References

[Prof. M.Z. Kabir](#)

Faculty member

Department of Civil and Environmental Engineering, Amirkabir University of Technology, Tehran, Tehran, Iran.

E-mail: mzkabir@aut.ac.ir



[Prof. Vahid Lotfi](#)

Faculty member

Department of Civil and Environmental Engineering, Amirkabir University of Technology, Tehran, Tehran, Iran.

E-mail: vahlotfi@aut.ac.ir



[Prof. M.M. Alinia](#)

Faculty member

Department of Civil and Environmental Engineering, Amirkabir University of Technology, Tehran, Tehran, Iran.

E-mail: m.alinia@aut.ac.ir



[Prof. H.R. Ovesy](#)

Faculty member

Department of Aerospace Engineering, Amirkabir University of Technology, Tehran, Tehran, Iran.

E-mail: ovesy@aut.ac.ir



[Prof. M.M. Aghdam](#)

Faculty member

Department of Mechanical Engineering, Amirkabir University of Technology, Tehran, Tehran, Iran.

E-mail: aghdam@aut.ac.ir



[Dr. M.T. Kamali](#)

Faculty member

Department of Civil Engineering, University of Hormozgan, Bandarabbas, Hormozgan, Iran.

E-mail: kamali@hormozgan.ac.ir



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