Javid Rezania
Curriculum Vitae

Department of Civil Engineering,   **Phone:** (+98) 9183161665
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Education:

M.Sc. Civil Structural Engineering   Kerman, Iran
Shahid Bahonar University   2013- 2015

    Thesis: "Evaluation of progressive collapse in double-layer spatial domes"
    Thesis grade: 19.50/20 (TOP)
    Supervisor: Associate Prof. Peyman Torkzadeh; **Advisor:** Prof. Hamed Saffari

B.Sc. Civil Engineering   Hamedan, Iran
Islamic Azad University (I.A.U.H)   2009- 2013
                            GPA: 17.92/20
                            (**Ranked 1st**)

Research Interests:

- ❖ Spatial Structures
- ❖ Steel and concrete Structures
- ❖ Analysis and Design of structures
- ❖ Nonlinear Analysis of structures
- ❖ Progressive Collapse of structures
- ❖ Earthquake Engineering
- ❖ Finite Element Analysis
- ❖ Structural Dynamic

Awards and Honors:

- ❖ Ranked **1st in GPA** among all of the <u>civil engineering students</u> of the I.A.U.H, spring 2013.
- ❖ Ranked within the **Top 3 %** students of <u>Faculty of Engineering</u> at the I.A.U.H, (2009- 2013).
- ❖ Received Excellent student prize as a **scholarship** from the I.A.U.H for 7 semesters (tuition-waiver), (2009- 2013).

Publications:

- ❖ Rezania, Javid. (2020). *Equilibrium and Collapse in Spatial Structures*. (***Book***). Esfahan, IRAN: Arkan Danesh publication.
- ❖ Rezania, Javid, Torkzadeh, Peyman. (2019). Evaluation of Progressive Collapse Performance in Double layer Diamatic Domes. *Civil Engineering Journal (**ISI**)*, *5*(1), 2167-2179. <u>Civilejournal.org</u>, DOI: 10.28991/cej-2019-03091402
- ❖ Rezania, Javid, Torkzadeh, Peyman. (2015). Performance Assessment of Dome Space Structures through Progressive Collapse. *2nd International & 6nd national Conference on Structure and earthquake*. Kerman, IRAN., (***Presented as a lecture***), https://civilica.com/doc/407149

Selected Academic Projects:

M.Sc. Projects:

- ❖ **Finite Element Method** Project: Developing a program written by *MATLAB* for analyzing an eight-node quadratic isoparametric element and comparing results with *ABAQUS software*; Advisor<u>: Prof. Eysa Salajegheh.</u>

- ❖ **Stability of Structures** Project: Developing a program written by *MATLAB* for Nonlinear analyzing of a frame (determining the critical load) by Matrix Analysis Method and comparing results with *SAP2000 software*; Supervisor: Prof. Hamed Saffari.
- ❖ **Concrete Dams** Project: Modeling, Analysis, and Designing a Dual Arc Concrete Dam using ABAQUS software; Supervisor: Prof. Javad Salajegheh.
- ❖ **Seismic Design of Structures (**Reinforced Concrete and Steel Building**)** Project: Analysis and Seismic Design of Irregular20-story Building using *ETABS software*; Supervisor: Associate Prof. Saeed Shojaee.
- ❖ **Advanced Steel Structures** Report: Comparison of the 4th and 3th Edition of Earthquake Resistance Design of Buildings Regulations-Standard 2800-91; Advisor: Prof. Hamed Saffari
- ❖ **Dynamics of Structures** Project: Modeling, and Dynamic Analysis (Time History, and Spectral) of an Irregular 7-Story Steel Building, and Comparing with Equivalent Static Analysis Results Using ETABS Software; Supervisor: Associate Prof. Peyman Torkzadeh.

B.Sc. Projects:
- ❖ **Reinforced Concrete Structures** Project; Modeling and Designing a 7-story reinforced concrete building, using *ETABS software* and its foundation with *SAFE software*; Advisor: Associate Prof. Saeed Saeedi Jam.
- ❖ **Steel Structures** Project; Modeling and Designing a 7-story steel building using *ETABS software* and its foundation with *SAFE software*; Advisor: Associate Prof. Khosro Pilehvariyan.
- ❖ **Water and Wastewater Engineering** Project: Design of Water Pipe Line Network a 1500 Hectare at an Urban Area using WaterGEMS software; Advisor: Associate Prof. AmirHossein Asadiyani Yekta.
- ❖ **Highway** Project: Road Geometric Design-Length of 5 km; Advisor: Associate Prof. Morteza Asgari.
- ❖ **Computer Programming**: Providing a program with C++; Advisor: Associate Prof. Raoul Rostaei.

Working Experiences:
- ❖ **Civil Engineer** in Faraz Tarh-e- Hegmatane Consulting Engineers Co._ Technical and Engineering Office_ (Winter 2016- Present):
  Analyzing, and Designing of Reinforced Concrete, and Steel Structures with ETABS and SAFE software; Performed Construction and Supervised the Building Structures;
  (***Certificated** by Engineering Business license in Civil Engineering field from the Ministry of Housing and Urban Development of IRAN_ Construction Engineering Organization*);
  (Since winter 2018).
- ❖ **Body Trainer** in Amiran Sport Gym; (Certificated by Fitness and Bodybuilding Coaching Degree from IRAN Bodybuilding and Fitness Federation); (Fall 2017 –present).
- ❖ **Photographer** in Hamedan Bodybuilding and Fitness Sport Board; (Winter 2018-present).

Teaching Experiences:
- ❖ **The Teaching** of Civil Engineering Courses at the Parto Educational Institution; (Since January 2016);
  (*Static, Analysis of Structures, Steel Structures, and Loading of Structures*).
- ❖ **Tutor** of Physics, Mathematics, Static, and Analysis of Structures; (Since October 2011).

Research Experiences:

- ❖ Teacher Assistant (**TA**) at Shahid Bahonar University of Kerman:
  Advising and Guiding Students for Accomplishing their Master Thesis, and Dynamic of Structures Course; (June 2014-January 2015).
- ❖ Head of the Scientific Society of the Department of Civil Engineering at Islamic Azad University of Hamedan; (September 2012-June2013).
- ❖ Teacher Assistant (**TA**) at Islamic Azad University of Hamedan:
  Advising and Guiding Students for Improving some of their Courses: (*Analysis of Structures, Earthquake Engineering, Economic of Engineering, Building Construction Methods, and Surveying*); (April 2010-June2013).

Computer Skills:
- ❖ **Technical Apps:** ABAQUS, AutoCAD, SAP2000, ETABS, SAFE, and SeismoSignal.
- ❖ **Programming languages:** MATLAB, Formian, and Pascal.
- ❖ **Graphic Designing Apps:** Adobe Photoshop CC, and ACDSee.
- ❖ **Operating Systems:** Windows.
- ❖ **Word Processing:** Microsoft Office Software, and Math Type.

Language Skills:
- ❖ **Persian:** Native Language
- ❖ **English:** Fluent
  - IELTS (Internet-Based Test):
  - GRE general (Internet- Based Test):   (Verbal: , Quantitative: , Writing:)
- ❖ **Arabic:** Basic

Memberships:
- ❖ Hamedan Bodybuilding and Fitness Sport Board; Winter 2018-present.
- ❖ ISSE (Iranian Society of Structural Engineering), February 2016-present.
- ❖ ICI (Iranian Concrete Institute), June 2015-present.
- ❖ Construction Engineering Organization of Hamedan; Fall 2014- present.

Selected Workshop:
- ❖ Annual Training Course of 'Spatial Structures', the main lecturer: Prof. Hoshyar Nooshin (Surrey University), Organized by the ACECR Kerman Branch and Shahid Bahonar University of Kerman, April 2015.

Hobbies:
- ❖ *Team working*, *Camping*, *Backpacking* (**Expert_** G.P.S. Certificated), *Photography* (**Expert_** Award: 2nd ranked in Professional Photographers part at the 5th Urban Arts Festival in Hamedan; Spring 2018), *Exercise* (**Expert_** Bodybuilding and Fitness *Coaching Certificated*, Taekwondo: *Black Belt*, Swimming, Badminton, Chess).

References:

❖ Prof. Peyman Torkzadeh	Associate Professor of Civil Engineering Shahid Bahonar University of Kerman, Iran.	torkzadeh@uk.ac.ir
❖ Prof. Saeed Shojaee	Associate Professor of Civil Engineering Shahid Bahonar University of Kerman, Iran.	Saeed.Shojaee@uk.ac.ir
❖ Prof. Saeid Saeidi jam	Associate Professor of Civil Engineering Islamic Azad University of Hamedan, Iran.	saeid.saeidijam@wsp.com
❖ Prof. Parisa Razmara	Associate Professor of Civil Engineering Islamic Azad University of Hamedan, Iran.	Dr.p.razmara@gmail.com