

CURRICULUM VITAE

Alireza Goudarzi

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PROFESSIONAL BIOGRAPHY

2024-present **Assistant Professor**, Shahid Rajaei Teacher Training University, Tehran,
Iran

2019-2020 **Visiting Researcher**, Department of Civil Engineering, Monash University,
Melbourne, Australia

EDUCATION

- Ph.D. in Structural Engineering, Amirkabir University of Technology, Tehran, Iran; GPA: 19.28 out of 20 (**First Rank**); Thesis Title: “Investigating the behavior of beam to box-column connection by a short stub beam”
- M.Sc. in Structural Engineering, University of Tehran, Tehran, Iran; GPA: 17.89 out of 20 (**Among Top Ten**); Thesis Title: “Axial load effects on flush end-plate moment connections”
- B.Sc. in Civil Engineering, Imam Hossein University, Tehran, Iran; GPA: 16.22 out of 20 (**First Rank**)

Awards and Honors

2019	Awarded Iran's National Elites Foundation (INEF) scholarship for visiting Monash University for 6 months (5100 Euro)
2019	Awarded Ministry of Science, Research and Technology (MSRT) scholarship for visiting Monash University for 6 months (11220 AUD)
2018 – 2019	Educational award from Iran's National Elites Foundation (INEF)
2017 – 2018	Educational award from Iran's National Elites Foundation (INEF)
2016 -2017	Educational award from Iran's National Elites Foundation (INEF)
2016 – 2017	Appointed by Iran's National Elites Foundation as a Researcher
2015 – 2017	Top student among the other PhD students
2015 – 2016	Educational award from Iran's National Elites Foundation (INEF)
2015	Admitted to the PhD program by virtue of Admission of Elite Students Without Entrance Exam Directive.
2013	Achieving excellent grade for M.Sc. thesis
2010 – 2013	Ranked the top ten among other graduated master students
2010	Admitted to the structural engineering MSc program of University of Tehran by virtue of First Rank Quota Admission Directive of Talent Office.
2004 – 2008	Highest ranking student in BSc degree

PUBLICATIONS

A) Journal publications

Alireza Goudarzi and Saeed Erfani. "Behaviour and load transfer mechanism of a novel I-beam to box-column connection." *Journal of Constructional Steel Research* 203 (2023): 107809.

Alireza Goudarzi and Saeed Erfani. "Seismic performance of beam to box-column connection by a short stub beam." *Journal of Constructional Steel Research* 190 (2022): 107145.

Saeed Erfani, Ahmad Ali Asnafi and **Alireza Goudarzi**. "Connection of I-beam to box-column by a short stub beam." *Journal of Constructional Steel Research* 127 (2016): 136-150.

Alireza Goudarzi, Mehdi Ghassemieh, Nader Fanaie, Debra Fern Laefer, and Mahmoud Baei. "Axial load effects on flush end-plate moment connections." *Proceedings of the Institution of Civil Engineers-Structures and Buildings* 170, no. 3 (2017): 199-210.

Ali Arzeytoon, Abdollah Hosseini, and **Alireza Goudarzi**. "Seismic rehabilitation of exterior RC beam-column joints using steel plates, angles, and posttensioning rods." *Journal of Performance of Constructed Facilities* 30, no. 1 (2016): 04014200.

Mehdi Ghassemieh, Mahmoud Baei, Amir Kari, **Alireza Goudarzi**, and Debra F. Laefer. "Adopting flexibility of the end-plate connections in steel moment frames." *Steel and Composite Structures* 18, no. 5 (2015): 1215-1237.

Mahmoud Baei, Mehdi Ghassemieh, and **Alireza Goudarzi**. "Numerical modelling of end-plate moment connection subjected to bending and axial forces." *The Journal of Mathematics and Computer Science* 4, no. 3 (2012): 463-472.

Mehdi Ghassemieh, **Alireza Goudarzi** and Ali Arzeytoon. " Behavior of Flush End-plate Moment Connections subjected to Bending and Axial Forces." *Iranian Society of Steel Structures* 10, no. 15 (2014): 13-28 (In Persian).

B) Conference proceedings

Alireza Goudarzi and Farshad Jafar Mazloumi. Nonlinear modeling of reinforced concrete columns strengthened by FRP. 3rd International Conference on New Materials and Structures in Civil Engineering, Hamedan, Iran, 9-10 October 2018 (In Persian).

Saeed Erfani and **Alireza Goudarzi**. Identifying the location of plastic hinge in bolted connection and damage evaluation using CVGM model. 2nd International Conference on New Materials and Structures in Civil Engineering, Yazd, Iran, 11-12 October 2017 (In Persian).

Saeed Erfani and **Alireza Goudarzi**. Evaluating the behavior of proposed bolted connection and its classification based on AISC. 2nd International Conference on New Materials and Structures in Civil Engineering, Yazd, Iran, 11-12 October 2017 (In Persian).

Saeed Erfani and **Alireza Goudarzi**. Investigation of the performance of different structural systems in a tall building. 2nd International Conference on New Materials and Structures in Civil Engineering, Yazd, Iran, 11-12 October 2017 (In Persian).

Alireza Goudarzi and Mehdi Ghassemieh. Investigation of failure modes in flush end-plate moment connections along with axial load. 3rd Conference on Steel & Structure, Tehran, Iran, 24-25 December 2012 (In Persian).

Alireza Goudarzi, Mehdi Ghassemieh and Mahmoud Baei. "The Effect of Axial Force on the Behavior of Flush End-plate moment connections." 15th World Conference on Earthquake Engineering (15WCEE), Lisbon, Portugal, 24-28 September 2012.

Alireza Goudarzi and Mehdi Ghassemieh. "The effect of column depth on the seismic behavior of flush end-plate moment connections based on finite element modelling. " International Conference on Nonlinear Modeling and Optimization (ICNMO), Amol, Iran, 28-29 August 2012 (In Persian).

C) Books

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| In press | "Civil Engineering Master's Degree Examination (educational package for structural analysis engineering) " National Organization of Educational Testing Publication |
| In press | "Civil Engineering Master's Degree Examination (educational package for strength of materials engineering) " National Organization of Educational Testing Publication |
| 2011 | "Soil Mechanics", 3 rd Edition, Azadeh Publication, Tehran, Iran (ISBN: 978-964-501-548-8, 576 Pages in Persian) (as editor) |

Academic experience

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| 2020 | Teaching Associate of Advanced structural analysis Course at Monash University |
| 2016 - 2017 | Researcher of Iran's National Elites Foundation |
| 2016 - 2017 | Instructor of "Steel Structures I" Course at Islamic Azad University |
| 2015 – 2018,
2021 – 2022 | Teacher Assistant of "Steel Structures I" Course at Amirkabir University of Technology |
| 2015 – 2018,
2021 –2022 | Teacher Assistant of "Steel Structures II" Course at Amirkabir University of Technology |
| 2011 | Cooperation in compilation of the book entitled "Soil Mechanics" |
| 2019 – present | Scientific Referee of Amirkabir University of Technology patent office |
| 2019 | Scientific Referee of the 1st Scientist & Author Colleagues Festival |
| 2018 – present | Scientific Referee of books in Jahad Daneshgahi, Iranian Student Book Agency |

2018 **Scientific Referee** of the Student Book of the Year Festival
2017 – 2018 **Scientific Referee** of the Student Year Thesis Festival

Peer Reviewer

- Journal of Constructional Steel Research
- Steel and Composite Structures
- Journal of Asian Architecture and Building Engineering
- Journal of Steel and Structure

Editorial board

- MDPI Journal

Industry experience

2008 - 2019, **Rikmond construction company**

FIELDS OF STUDY and RESEARCH INTERESTS

- Innovative prefabricated connections
- Prefabricated modular building
- Large-scale Experiments, Field Testing of Structures
- Numerical Simulation
- Seismic Rehabilitation and Retrofit
- Advanced technologies in rehabilitation of structures
- Environmental sustainability in construction

Software skills

- ABAQUS
- ANSYS
- FORTRAN
- MATLAB
- SAP, ETABS, SAFE
- AutoCAD

Professional membership

1. Executive committee member of 1st International Conference on New Materials and Structures in Civil Engineering
2. Member of national member groups of Fédération internationale du béton (fib)