

INFORMATION

REZAN CHOBDARIAN

PERSONAL

RESEARCH INTEREST

- Data analysis
- Stochastic structures
- Dynamics of structures
- Machine Learning Methods
- Sustainability analysis
- Random vibration of structures

EDUCATION

- 2025- present** **PhD.** in [Planning and Decision Methods](#), [Department of Economic](#), University of Genoa, Genoa, Italy,
- 2018 – 2023** **PhD.** in [Civil Engineering \(Structural Engineering\)](#), University of Kurdistan, Sanandaj, Iran, GPA: 17 out of 20 [A].
Thesis Topic: Stochastic finite element analysis of dynamic response of structures considering variables uncertainty, Supervisors: Prof. Azad Yazdani and Dr. Hooshang Dabbagh
- 2012 – 2014** **M.Sc.** in [Civil Engineering \(Structural Engineering\)](#), University of Kurdistan, Sanandaj, Iran, GPA: 18.03 out of 20 [A].
Thesis Topic: Analysis of the Strut-and-Tie model of reinforced concrete members under cyclic loads, Supervisor: Dr. Hooshang Dabbagh
- 2008 – 2012** **B.Sc.** in [Civil Engineering](#), University of Kurdistan, Sanandaj, Iran, GPA: 15.52 out of 20 [B].

HONORS AND AWARDS

- 2014** **Merit-based admission** to pursue a PhD Degree in [Civil Engineering](#), University of Kurdistan
- 2014** **Ranked 1st within the graduating class**, [Civil Engineering](#), University of Kurdistan
- 2012** **Merit-based admission** to pursue a Master's Degree in [Civil Engineering](#), University of Kurdistan
- 2012** **Ranked within the top 10%** of the graduating class, [Civil Engineering](#), University of Kurdistan

TEACHING EXPERIENCES

- 2014 - 2019** **Instructor**, Design of concrete structures, Loading, Masonry structures. University of Kurdistan, Sanandaj, Iran
- 2016 - 2017** **Instructor**, Design of concrete structures, Design of steel structures, Concrete technology. Technology University of Applied Science and Technology, Sanandaj Branch 1, Sanandaj, Iran

PUBLICATIONS

- 2025** R. Choobdarian , F. Biondini, (2025), Sustainability in life-cycle structural engineering: Review, Structure and Infrastructure Engineering, 21(11-12), 1798-1827, [published].
- 2025** R. Choobdarian, F. Biondini, (2025), Integrating life-cycle and sustainability concepts for enhancing infrastructure resilience. Life-cycle performance of structures and infrastructure systems in diverse environments, 1st Edition, 253-260.
- 2023** R. Chobdarian, A. Yazdani, H. Dabbagh, MR. Salimi, (2023), Reliability-based stochastic finite element using the explicit probability density function, structural engineering and mechanics journal. [published]
- 2021** R. Chobdarian, A. Yazdani, H. Dabbagh, (2021), Reliability analysis in one-dimensional structures using the explicit probability density function of static response in stochastic finite element, Modares Civil Engineering Journal (M.C.E.J), 21(2), 49-62. [published in Persian]
- 2016** H. Dabbagh, R. Chobdarian, (2016), Estimating the Failure Load and Corresponding Displacement of Reinforced Concrete Members Under Cyclic Loading Using Strut-and-Tie Model, Concrete research quarterly journal, 9(1), 97-111. [published in Persian]

- 2016** H. Dabbagh, R. Chobdarian, (2016), Evaluation of Reinforced Concrete Structural Members under Uniform Loads Using Truss Model. Journal of Structural and Construction Engineering, 2(4), 31-47. [published in Persian]
- 2015** H. Dabbagh, R. Chobdarian, (2015), Truss model analysis of short concrete columns under cyclic loads, 7th National Conference of Concrete, Tehran, Iran. [in Persian]
- 2015** H. Dabbagh, R. Chobdarian, (2015), Estimated of failure loads of reinforced concrete shear walls under cyclic loading using Strut-and-Tie model, 7th National Conference of Concrete, Tehran, Iran. [in Persian]
- 2014** H. Dabbagh, R. Chobdarian, (2014), Analysis of reinforced concrete shear wall under uniform loads using Strut-and-Tie model, 6th National Conference of Concrete, Tehran, Iran. [in Persian]
- 2014** H. Dabbagh, R. Chobdarian, (2014), analysis of reinforced concrete deep beams using Strut-and-Tie model, 7th National Conference of Concrete, Tehran, Iran. [in Persian]

WORKING EXPERIENCE

2023-2025

2018- 2023

Politecnico di Milano

Position: Research fellow

Selection of tasks and responsibilities:

Sustainability analysis in structures and infrastructures

LCA analysis

Parswa Consulting Engineers Company

Position: Road and Construction Engineer

Selection of tasks and responsibilities:

Analysis and design of structures

Responsible for Research and Development

Financial estimate of the road projects

LANGUAGE SKILLS

Italian: basic

English: Fluent

Kurdish: Mother Tongue

Persian: Native

COMPUTER SKILLS

Proficient in

- MATLAB
- AutoCAD
- Sap
- Etabs
- Safe
- Microsoft Office

Skilled in

- Python
- Photoshop
- Google Earth

Familiar with

- MS Project
- Abaqus

REFERENCES

- [Marco Remondino](#) (Associate Professor, Department of Economic (DIEC), University of Genoa, Email: marco.remondino@economia.unige.it)
- [Fabio Biondini](#) (Professor of Structural Engineering, Department of Civil and Environmental Engineering, Politecnico di Milano, Email: fabio.biondini@polimi.it)
- [Elsa Garavaglia](#) (Associate Professor, Department of Civil and Environmental Engineering School of Architecture Urban Planning Construction Engineering, Politecnico di Milano, Email: elsa.garavaglia@polimi.it)