

ABOLFAZL ESLAMI

Resume



Professor, Amirkabir University of Technology (AUT); *Tehran Polytechnic*,
Dept. of Civil and Environmental Engineering, Geotechnical Div., Iran
Visitor Scholar in University of California, San Diego (UCSD), 2022-2023

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1-EDUCATION

Ph.D., (1992-1997), Geotechnical Engineering, University of Ottawa, Ottawa, Canada

M.Sc., (1986-1988), Geotechnical Engineering, Tehran Polytechnic (AUT), Tehran, Iran

B.Sc., (1982-1985), *Graduated*; Civil Engineering, Sharif University of Technology (SUT), Tehran, Iran

B.Sc., (1978-1982), *Accepted & Started*; Faculty of Engineering, University of Tehran (UT), Tehran, Iran

2-CAREER HISTORY

Professor, Amirkabir University of Technology (AUT), 2008-present, [Link](#)

Assistant & Associate Professor, Civil Engineering Department, University of Guilan, 1997-2008

Research Fellow

- Civil Engineering Department, University of British Columbia (UBC), 1994
- Faculty of Engineering, McGill University, 2017-2018
- Structural Engineering Department, University of California, San Diego (UCSD), 2022-2023

Principal Engineer & Chairman, Sham-e Consulting Engineering Co. Tehran, Iran, 2000-present

3-HONORS & AWARDS

- Citation based on Google Scholar: 2340 cites with H-Index of 23
- Selected as the superior composer of Latin books in AUT, 2019.
- Compiled and outsourced AUT-Geo: CPT & Pile Database, 2016. [Link](#).
- Selected as the superior researcher in Guilan University, 2005, and in AUT, 2015.
- Award for Lifetime Achievement in Civil Engineering, Lasting Fame National Foundation, 2015.
- First rank on paper presentation events, Eastern Canadian Universities, CGS, 1996.

4-TAUGHT COURSES & LECTURES

- Soil Mechanics and Geotechnical Engineering
- Foundation Engineering
- Ground Modification and Soil Improvement
- Advanced Foundation Engineering
- In-situ Testing Applications in Geotechnical Engineering
- Marine Geotechnical Engineering
- Deep Foundations for Marine Structures

5-SUPERVISED GRADUATE STUDENTS

- Over 150 Master of Science (M.Sc.) theses
- More than 25 Doctor of Philosophy (Ph.D.) theses

6-INVENTIONS/PATENTS

- Attached Single Foundations, 2004

- Frustum Confining Vessel (FCV-AUT), Large-scale, 2014
- Inclined Retaining Wall, 2016

7-RESEARCH ACCOMPLISHMENTS & PUBLICATIONS

A. Books (*text & sources mainly focused on foundation engineering*)

- 1- Eslami, A. et al., 2019. Piezocone and Cone Penetration Test (CPTu and CPT) Applications in Foundation Engineering, ELSEVIER.
- 2- Eslami, A., 2005. Foundation Engineering: Design & Construction. Building and Housing Research Center, BHRC. No. B-437,4th Edition (In Farsi).
- 3- Fellenius, B. H., Infante, J. L. & Eslami, A., 2002. “*UniCone Software*”, for Processing and Reporting of Cone Penetration Tests (CPT and CPTu), Soil Profiling, and Pile Capacity Analysis.

And five others in the field of in-situ testing, piling, and foundation engineering. [Link](#).

B. Journal Papers; Over 150 scientific and research papers, including 110 ISI papers

C. International Conference Papers; Near 60 papers

D. National Conference Papers; More than 30 papers

8-KEYNOTE LECTURES & SPECIAL PRESENTATIONS

- “Databased Approach for CPT & CPTu Applications in Foundation Engineering”, 2023, Samueli School of Engineering, University of California, Irvine (UCI), USA
- “CPT & CPTu Applications in Foundation Engineering”, 2022, University of Mining and Technology, China
- “CPT & CPTu Applications in Geotechnical Engineering”, 2022, State Key Laboratory for Geomechanics & Deep Underground Engineering, China
- “Foundations Systems of Tall Buildings: Stories Behind the Storeys”, 2022, Babolsar, Iran.
- “Uncertainty & Reliability Appraisal of CPT Based Methods for Piles”, DFI 46th, 2021, LV, USA
- “In-situ Tests Applications in Civil Engineering”, 2020, University of Kurdistan.
- “Development and Application of Databases in Deep Foundation Engineering”, 2019, Tehran, Iran.
- “Physical Modelling via, FCV-AUT”, 2018, University of Victoria, BC, Canada.
- “AUT; Geo-CPT & Pile Database”, 2017, Montreal Polytechnic, QC, Canada.
- “CPT and CPTu Applications for Piles”, 2017, McGill University, QC, Canada.
- “Semi-deep Foundations” Special Foundations Seminar, 2016, Tehran, Iran.
- “New Trends in Foundation Engineering”, 2014, Shahid Rajaei University, Tehran, Iran.

9-MEMBERSHIPS

- **DFI** (Deep Foundation Institute), USA
- **IGS** (Iranian Geotechnical Society)
- **ASCE** (American Society of Civil Engineers)
- **GI** (Geo-Institute)

10-PROFESSIONAL ACCOMPLISHMENTS

- **Geotechnical Site Investigation Reports** for a dozen of buildings, highways and dams
- **Design & Consulting of Geo-Structures;** foundation systems, retaining walls and shorings
- **Project Management & Value Engineering** for a few excavations, industrial projects and bridges
- **Soil Improvement Practice & Slope Stability Control** for industrial, residential and airport fields
- **Inspection, Quality Assurance (QA) & Quality Control (QC)** for various urban projects
- **Leveling, Repair & Retrofit** of damaged adjacent buildings and **Reuse** of existing foundations
- **Workshops & Courses** on CPT & CPTu applications, foundations and sustainable geo-structures
- **Sustainability in GeoEng.:** Trending on less artificial, more geomaterial and C&DWs recycling