

Curriculum Vitae

Saed Moghimi (PhD)

Assistant Professor
Istanbul Aydin University
Engineering Faculty
Department of Civil Engineering



Personal Information

- **Family name:** Moghimi **First name:** Saed
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Education

- **PhD.** in Civil Engineering, Earthquake Engineering, Sep. 2011 –July. 2017, Middle East Technical University, Ankara, Turkey, GPA: 85/100
- **M.Sc.** in Civil Engineering, Earthquake Engineering, Sep. 2005 – Mar.2008, Civil Eng. Dept., University of Tabriz, Iran, GPA: 80/100
- **B.Sc.** in Civil Engineering, Sep. 1999 – Sep. 2004, University of Tabriz, Iran, GPA: 75/100

Title of PhD Thesis

Addressing the Near-Fault Directivity Effects for their Implementation to Design Spectrum (METU, Ankara, Turkey)

Supervised by Prof. Dr. Sinan Akkar

Title of M.Sc. Thesis

Evaluation of the Displacement Based Adaptive Pushover Analysis Procedure Using Vertically “Regular” and “Irregular” Special Moment Concrete Frames (University of Tabriz, Tabriz, Iran)

Supervised by Assist. Prof. Dr. Abdolrahim Jalali

Projects

- ❖ Effect of Near Field Earthquakes on Design Spectrum and Its Role on Drift and Displacement of Structures (TUBITAK Project - Project Number: 113M308)
- ❖ Volcanic Hazard Assessment: Feasibility Study for the Jordnian NPP Site” Project for 2016-2018 funded by Worley Parsons. (In corporation with Prof. Dr. Sinan Akkar and Assoc. Prof. Dr. Zahra Cagnan)

Work Experience

- ❖ 2017–2020: **Istanbul Aydin University**, Assistant Professor
 - ❖ 2014-2016: **Kandilli Observatory And Earthquake Research Institute**, Bogazici University, Research Assistant
 - ❖ 2009-2010: **Urum Arme Saghf Construction Engineering Company**, Head of Technical Office
 - ❖ 2006-2011: **Iran Islamic Azad University**, Lecturer
 - ❖ 2006-2011: Design Engineer of Iranian Construction Engineering Organization
 - ❖ 2006-2011: Supervisor Engineer of Iranian Construction Engineering Organization
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Teaching Commitments

- ❖ Graduate Courses
 - **INM 548 - Seismic Hazard Analysis**
 - **INM 549 - Intrudocion to Earthquake Engineering (Structural Dynamics)**
 - ❖ Undergraduate Courses
 - **INM 241 - Statics,**
 - **INM 242 - Mechanics of Materials,**
 - **INM 342 – Structural Analysis (II)**
 - **INM 495 – Earthquake Resistant Design of Structures**
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Computer Skills

- ❖ **Programming MATLAB** – Advanced Level
- ❖ **OpenQuake Engine** (Earthquake Hazard and Risk Modelling Platform) - Advanced Level
- ❖ **CRISIS2007** (Seismic Hazard Estimation Platform) - Advanced Level
- ❖ **EZ FRISK** (Seismic Hazard Estimation Platform) - Advanced Level
- ❖ **Seismosignal** (Strong-Motion Processing Program) - Advanced Level
- ❖ **Seismostruct** (Computer Program for Static And Nonlinear Dynamic Analysis of Framed Structures) - Advanced Level
- ❖ **Structural Analysis and Designing Package** SAP, ETABS, SAFE - Advanced Level
- ❖ **PERFORM 3D** (Performance-Based Design Software) - Advanced Level
- ❖ **OpenSees** (The Open System for Earthquake Engineering Simulation) – Intermediate Level

❖ ***Journal Papers and Book Chapters:***

- Akkar S., Moghimi S., Arici Y. (2018) A Study on Major Seismological and Geometrical Parameters Affecting Near-Fault Forward-Directivity Ground-Motion Demands for Their Possible Inclusion in Seismic Design Codes, Soil Dynamics and Earthquake Engineering, Volume 104, January 2018, Pages 88-105
- Akkar S., Moghimi S. (2018) Implementation of Near-Fault Forward Directivity Effects in Seismic Design Codes. In: Pitilakis K. (eds) Recent Advances in Earthquake Engineering in Europe. ECEE 2018. Geotechnical, Geological and Earthquake Engineering, Vol. 46. Springer, Cham.

❖ ***Reviewed Publications in Conference Proceedings:***

- Moghimi S., Akkar S. (2016) Implications of Forward Directivity Effects on Design Ground Motions, "Seismological Society of America (SSA) Annual Meeting", 20–22 April 2016, Reno, Nevada
- Moghimi S., Akkar S. (2017) Effect of Major Seismological Parameters on Directivity Dominant Spectral Amplification, "6th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, COMPDYN 2017", 15-17 June 2017, Rhodes Island, Greece
- Moghimi S., Akkar S. (2017) Mixed Effect of Directivity and Directionality for Near Fault Pulse Type Ground Motions, "European Geosciences Union General Assembly 2017", 23–28 April 2017, Vienna, Austria
- Cagnan Z., Akkar S., Moghimi S. (2017) A first hazard analysis of the Harrat Ash Shamah volcanic field, Syria-Jordan Borderline, "European Geosciences Union General Assembly 2017", 23–28 April 2017, Vienna, Austria

❖ ***Papers Ready for Submission:***

- Moghimi, S., Akkar, S. Amplification models for near fault design spectrum when directivity effect is prominent.
- Moghimi, S., Dehghanian, K. Effect of Clay Soft Soils on the Amplification of Directivity Induced Pulses for Near Fault Ground Motions.