

MOJTABA MOOSAVI

Assistant Professor

International Institute of Earthquake Engineering and Seismology (IIEES), Tehran, Iran

General Information

Name	Sayyed Mojtaba
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Nationality	Iranian
Date of birth	21-04-1979
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Education

Ph.D. in Earthquake Engineering, International Institute of Earthquake Engineering and Seismology (IIEES),Tehran, Iran,2010

Visiting Researcher in Waseda University (for 6 months) ,Tokyo, Japan, 2008

M.Sc. in Geotechnical Engineering, University of Tarbiat Modarres, Tehran,Iran,2003

B.Sc. in Civil Engineering, University of Tehran,Tehran,Iran,2001

Professional Career

Director of geotechnical centrifuge lab, IIEES

2013-Now: Assistant Professor, International Institute of Earthquake Engineering and Seismology (IIEES), Tehran, Iran

2011-2013: Assistant Professor, University of Mazandaran, Mazandaran, Iran

Research

Mitigation measures for surface fault rupture hazard

Earthquake Site effects

Physical Modelling by Centrifuge

Professional Memberships

Iranian Earthquake Engineering Association(IEEA)

Iranian Geotechnical Society (IGS)

Publication

over 50 research papers in conferences, journals and reports

List of academic publication (Mitigation measures for surface fault rupture hazard)

Journal Papers:

Ahmadi M., **Moosavi M.**, Jafari M.K., " Experimental investigation of reverse fault rupture propagation through wet granular soil", Engineering Geology (239), 2018

Ahmadi M., **Moosavi M.**, Jafari M.K., " Experimental investigation of reverse fault rupture propagation through cohesive granular soils", Geomechanics for Energy and the Environment, 2018

Shiravi M., **Moosavi M.**, Ahmadnezhad M., "Numerical Analysis of Reverse Fault Rupture Hazards on Buildings", Bulletin of Earthquake Science and Engineering, Vol. 5, No.2, 2018

Ahmadi M., **Moosavi M.**, Jafari M.K., " Intergranular Water Effects on Shear Behavior of Wet Sand: Phenomenology Based on Direct Shear Tests and Fault Rupture Physical Modeling", Bulletin of Earthquake Science and Engineering, Vol. 5, No.1, 2018

Fadaee M, Jafari M.K., Kamalian M. , Shafiee A., **Moosavi S.M.**, " Feasibility study of fault rupture deviation by slurry wall", International Journal of Civil Engineering, VOL11, NO.2, 2013

Moosavi S.M., Jafari M.K., Kamalian M., Shafiee A., "Experimental Investigation of Reverse Fault Rupture – Rigid Shallow Foundation Interaction", International Journal of Civil Engineering, VOL8, NO.2, 2010

International Conference Papers:

Ahmadi M, **Moosavi S.M.**, Jafari M.K., " Water Content Effect on the Fault Rupture Propagation Through Wet Soil-Using Direct Shear tests, Advances in Laboratory Testing and Modelling of Soils and Shales (ATMSS), Switzerland, 2017.

Moosavi M., Kiany MR., Jafari MK & Ahmadnezhad M., "The Effects of Soil Thickness on Reverse Fault Rupture Propagation", 7th International Conference on Seismology and Earthquake Engineering (SEE7), Iran, 2015

Moosavi M., Jafari MK, " Investigation of Reverse Fault Rupture – Shallow Foundation Intreaction"; Second European Conference on Earthquake Engineering and Seismology, Turkey, 2014.

Moosavi M., Jafari MK, "Experimental Investigation of Surface Fault Rupture Hazard Mitigation", Proceedings of the 5th International Young Geotechnical Engineers’ Conference – 5th iYGEC, French, 2013

Moosavi M., Jafari MK; 2012, "Investigation of the surface Fault Rupture Hazard Mitigation by Geosynthetics", 15 WCEE Lisbona, 2012.

Moosavi M., "Investigation of the Surface Fault Rupture Mitigation by Numerical Modeling", 6th International Conference on Seismology and Earthquake Engineering (SEE6), Iran, 2011

Jafari M.K. ,**Moosavi M.**, "Lessons to be learned from Surface Fault Ruptures in Iran Earthquakes", 6th International Conference on Case Histories in Geotechnical Engineering and Symposium in Honor of Professor James K. Mitchell, Arlington, VA (USA), 2008