

Curriculum Vitae (CV)

General Information

Name: Kambod
Surname: Amini Hosseini
Job Title: Associate Professor and Director, Risk Management Research Center, International Institute of Earthquake Engineering and Seismology (IIEES)
Phone: +98 21 22831116
Fax: +98 21 22289455
E-mail: kamini@iiees.ac.ir
Address: No. 21, Arghavan Ave., North Dibajee St., Tehran, Iran

Education

- 1- Post degree on "Disaster Risk Management of Cultural Heritage", Ritsumeikan University, Kyoto, Japan, 2013;
- 2- Post degree on "Disaster mitigation in mega urban earthquakes", University of Kobe, Kobe, Japan, 2004;
- 3- Post degree on "Dynamic Behavior of Rock Joints", University of Grenoble, Grenoble, France, 2002;
- 4- Ph.D. in Engineering Geology, Tarbiat Modarres University, Tehran, Iran, 2002.

Professional Career

2006-Now: Director of Risk Management Research Center, IIEES;
2004-2006: Head of Urban and Regional Planning Research Dept., IIEES;
2003-2010: Advisor to the president of Tehran Disaster Mitigation and Management Organization, Tehran Municipality.

Publications

Some of the Scientific Reports/Books

- 1- 2020, Support Implementation of PDNA Results and Developing Related National Guideline, UNDP Project;
- 2- 2020, Support implementation arrangement for emergency response in local communities, UNDP Project;
- 3- 2019, Need Assessment and Developing Early Recovery Plan for 4 Affected Provinces by 2019 Floods, UNDP Project;
- 4- 2019, Modeling of Earthquake resilience in urban road networks, IIEES Project;
- 5- 2018, Disaster Risk Management Master Plan for Karaj City, Karaj Municipality Project;
- 6- 2017, Disaster risk management aspects of Sarpol-e Zahab, Iran Earthquake, Reconnaissance Report;
- 7- 2016, A new model for safety assessment of urban fabrics in earthquake prone zones, IIEES Project;
- 8- 2015, Socio-economic impacts and consequences of earthquake, Iran's perspectives, Book Chapter, Handbook of public health in natural disasters, Wageningen Academic Publishers;
- 9- 2014, Evaluation of challenges in emergency sheltering during the recent earthquakes in Iran, IIEES Project;
- 10- 2013, Socio-economic impacts of earthquakes, GEM-EMME Project;

- 11- 2013, Determination of indices and criteria of urban safety against earthquakes, IIEES Project;
- 12- 2011, Practical guidelines for urban areas development in seismic prone countries, Kobe University Project, Japan;
- 13- 2010, Establishment of emergency response plan for the first 72 hours after an earthquake in Tehran, Japan International Cooperation Agency and Tehran Disaster Mitigation and Management Organization, GED–CR(10)010-019, JICA Project;
- 14- 2009, Analyzing the existing legal and institutional arrangement for disaster management in Iran, The World Bank Project;
- 15- 2009, Analysis the effectiveness of existing disaster management system with respect to 4 major earthquakes in Iran, The World Bank Project;
- 16- 2009, Developing guidelines for disaster management reform and improvement involving best practices, The World Bank Project.

Some of the Research Papers

- 1- S. Asadzadeh & K. Amini Hosseini (2020) Earthquake Risk–Management Model for Historic Commercial Urban Fabrics, *Natural Hazards Review (ASCE)*, 2:2;
- 2- K. Amini Hosseini & Izadkhah, Y. (2020) From “Earthquake and safety” school drills to “safe school-resilient communities”: A continuous attempt for promoting community-based disaster risk management in Iran, *International Journal of Disaster Risk Reduction*, 45:101512;
- 3- E. Firuzi, K. Amini Hosseini, A. Ansari, Izadkhah, Y., Rashidabadi, M & Hosseini, M. (2020) An empirical model for fatality estimation of earthquakes in Iran, *Natural Hazards*, 103, 231–250 (2020), DOI: <https://doi.org/10.1007/s11069-020-03985-y>;
- 4- Aslani, F., K. Amini Hosseini & A. Fallahi (2020) A framework for earthquake resilience at neighborhood level, *International Journal of Disaster Resilience in the Built Environment*, DOI: 10.1108/IJDRBE-12-2019-0082;
- 5- M. Fallah Tafti, K. Amini Hosseini & B. Mansouri (2020) Generation of new fragility curves for common types of buildings in Iran, *Bulletin of Earthquake Engineering*, 18: 3079–3099;
- 6- H. Motamed, M. Ghafory-Ashtiany, K. Amini-Hosseini, B. Mansouri & B. Khazai (2020) Earthquake risk–sensitive model for urban land use planning, *Natural Hazards*, 103, pages 87–102;
- 7- E. Firuzi, A. Ansari, K. Amini Hosseini & E. Karkooti (2020) Developing a customized system for generating near real time ground motion ShakeMap of Iran’s earthquakes, *Journal of Earthquake Engineering*, DOI: 10.1080/13632469.2020.1814450;
- 8- A. Fekete, A. Asadzadeh, M. Ghafory-Ashtiany, K. Amini Hosseini, C. Hetkämper, M. Moghadas, A. Ostadtaghizadeh, A. Rohr & T.Kötter (2020) Pathways for advancing integrative disaster risk and resilience management in Iran: Needs, challenges and opportunities, *International Journal of Disaster Risk Reduction*, 49:10603;
- 9- E. Firuzi, A. Ansari, K. Amini Hosseini & M. Rashidabadi (2019) Probabilistic earthquake loss model for residential buildings in Tehran, Iran to quantify annualized earthquake loss, *Bulletin of Earthquake Engineering*, Springer;
- 10- Aslani, F., K. Amini Hosseini & A. Fallahi (2019) Physical and social aspects of resilience framework (A case study on Keshavarz neighborhood, district 6 of Tehran), *Journal of Environmental Hazards Management*;
- 11- A. Chavoshy, K. Amini Hosseini & M. Hosseini (2018) Resiliency Cube, A new approach for parametric analysis of earthquake resiliency in urban road networks, *International Journal of Disaster Resilience in the Built Environment (IJDRBE)*, Emerald;

- 12- R. Robat Mili, K. Amini Hosseini, K. & Y. Izadkhah (2018) Developing a Holistic Model for Earthquake Risk Assessment and Disaster Management Interventions in Urban Fabrics, *International Journal of Disaster Risk Reduction (IJDRR)*, Elsevier;
- 13- M. Fallah Tafti, K. Amini Hosseini, E. Firouzi, B. Mansouri & A. Ansari (2017) Ranking of GMPEs for Seismic Hazard Analysis in Iran Using LH, LLH and EDR Approaches, *Journal of Seismology and Earthquake Engineering (JSEE)*;
- 14- A. Ansari & K. Amini Hosseini (2014) Broadband seismic network of Iran, *Seismological Research Letters (SRL)*, SSA;
- 15- K. Amini Hosseini, M. Hosseini & Y. Izadkhah (2014) Main Challenges on Community-based Approaches in Earthquake Risk Reduction: Case study of Tehran, Iran, *International Journal of Disaster Risk Reduction (IJDRR)*, Elsevier;
- 16- B. Mansouri and K. Amini Hosseini (2014) Development of Residential Building Stock and Population Databases and Modeling the Residential Occupancy Rate for Iran, *Natural Hazards Review (ASCE)*;
- 17- M. Hajibabae, K. Amini Hosseini & M.R. Ghayamghamian (2014) Earthquake risk assessment in urban fabrics based on physical, socioeconomic and response capacity parameters (a case study: Tehran city), *Natural Hazard*, Springer;
- 18- K. Amini Hosseini, Z. Pooyan & S. Hosseinioon (2013) An investigation on socio-economic aspects of two earthquakes in Iran, *Disasters*, Wiley, 2013;
- 19- K. Amini Hosseini, M. Hosseini, et al. (2013) A survey on evacuation planning and its challenges for potential earthquake in Tehran, *International Journal of Disaster Resilience in the Built Environment (IJDRBE)*, Emerald;
- 20- M. Hajibabae, K. Amini Hosseini & R. Ghayamghamian (2013) A New Method for Assessing the Seismic Risk of Urban Fabrics in Iran, *Journal of Seismology and Earthquake Engineering (JSEE)*;
- 21- B. Mansouri & K. Amini Hosseini (2012) Development of Residential Building Stock and Population Databases and Modeling, *Natural Hazards Review*, ASCE;
- 22- K. Amini-Hosseini and S. Hosseinioon (2012) Evaluation of recent developments in laws and regulations for earthquake risk mitigation and management in Iran, *Risk, Hazards and Crisis in Public Policy*, DeGruyter;
- 23- K. Amini Hosseini & M.R. Ghayamghamian (2012) A survey on challenges in reducing the impacts of geological hazards associated with earthquakes in Iran, *Natural Hazards*, Springer;
- 24- H. Motamed, M. Ashtiany, B. Khazaii & K. Amini Hosseini (2012) An automated model for optimizing budget allocation in earthquake mitigation scenarios, *Natural Hazard*, Springer;
- 25- F. Pellet, M. Keshavarz & K. Amini Hosseini (2011) Mechanical damage of a crystalline rock having experienced ultra-high deviatoric Stress up to 1.7 GPa, *International Journal of Rock Mechanics and Mining Sciences*, Elsevier;
- 26- Y. Izadkhah and K. Amini Hosseini, An evaluation of disaster preparedness in four major earthquakes in Iran, *JSEE*, 2010;
- 27- K. Amini Hosseini, M. Jafari, M. Hosseini, B. Mansouri & S. Hosseinioon (2009) Development of Urban Planning Guidelines for Improving Emergency Response Capacities in Seismic Areas of Iran, *Disasters*, Wiley;
- 28- M. Ghafouri Ashtiyani, B. Mansouri, K. Amini Hosseini, R. Nourjou & M. Mousavi (2009) Building Seismic Loss Model for Tehran using GIS, *Earthquake Spectra*, EERI;
- 29- K. Amini Hosseini, M. Hosseini, M. Jafari & S. Hosseinioon (2009) Recognizing of vulnerable urban fabrics in earthquake prone areas; Case study: Tehran Metropolitan, *JSEE*, 2009;