

Alireza Pachenari

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Education

- Ph.D., Structural Engineering, Tehran Polytechnic, 2014
- M.S., Structural Engineering, Tehran Polytechnic, 2009
- B.S., Civil Engineering, Tehran Polytechnic, 2007

Research Interests

progressive collapse of structures; failure mechanisms of slab structures; settlement of structures; nonlinear analysis of structures

Honors & Awards

- 2009, received Best-Master Thesis of the year award in structural (and earthquake) engineering, Tehran Polytechnic
- 2009, received the top graduate student award in structural engineering department, Tehran Polytechnic
- 2008, received the top undergraduate student award in structural engineering department, Tehran Polytechnic
- 2007, received the top undergraduate student award in structural engineering department, Tehran Polytechnic

Selected Publications

- Pachenari, A., Keramati. A. and Pachenari, Z., "Investigation of progressive collapse in intermediate RC frame structures", *The Structural Design of Tall and Special Buildings*, V. 22, No. 2, 2013, pp. 116–125.
- Pachenari, A. and Keramati. A., " A Method for Modeling Successive Removal of Columns in Macromodeling Frameworks, " *Structural Engineering International*, V. 24, No. 3, 2014, pp. 372–380.
- Pachenari, A. and Keramati. A., Progressive collapsed zone extent estimation in two-way slab floors by yield line analysis," *Magazine of Concrete Research*, V. 66, No. 13, 2014, pp. 685–696.

EMPLOYMENT

- Assistant Professor, Faculty of Civil Engineering, University of Kashan, 2014-present
- Lecturer, Faculty of Civil Engineering, University of Kashan, 2011-2014
- Emarate Pars Consulting engineers, 2013
- Tajeer Consulting engineers, 2006-2012

Professional Affiliations

- Tehran Construction Engineering organization