

**Journal of Structural and Construction
Engineering
(JSCE)**

Volume 4, Issue 4, March 2018

Serial No. 14
ISSN (Print): 2476-3977
ISSN (Online): 2538-2616

Publisher

Iranian Society of Structural Engineering (ISSE)

Responsible Director

Dr. GholamReza Havaei

Chief Editor

Prof. Hamzeh Shakib

Editorial Board (in alphabetical order)

Dr. Mehdi Azhdary Moghadam, University of Sistan & Baluchestan

Dr. Morteza Eskandari Ghadi, University of Tehran

Prof. Abolfazl Eslami, Amirkabir University of Technology

Dr. GholamReza Havaei, Amirkabir University of Technology

Prof. Mohammad Zaman Kabir, Amirkabir University of Technology

Dr. Abolghassem Keramati, Amirkabir University of Technology

Prof. Mohammad Taghi Kazemi, Sharif University of Technology

Prof. Ali Akbar Ramezani, Amirkabir University of Technology

Prof. Mohammad Hassan Sebt, Amirkabir University of Technology

Prof. Hamzeh Shakib, Tarbiat Modares University

Prof. Javad Vaseghi Amiri, Babol Noshirvani University of Technology

Prof. Mahmoud Yahyaei, Khajeh Nasir Toosi University of Technology

Interior Manager

Dr. Ashkan Shahbazian

Executive Director and Public Relations

Eng. Massomeh Sadat Makki Abadi

Aims and Scope

Journal of Structural and Construction Engineering provides a forum for a broad blend of scientific and technical papers to reflect the evolving needs of the structural engineering and construction communities. Journal of Structural and Construction Engineering also publishes review articles, technical notes, and a diary on national and international events related to any aspect of structural and construction engineering. We invite you to contribute to the success of this journal by submitting your articles.

Contact Details

Iranian Society of Structural Engineering, No. 76, Floor No.2,
North Shahid Azodi street, Karim Khan Zand street, Tehran,
Iran

Postcode: 15976-33131

Tel: 0098-21-81032212

Fax: 0098-21-81032242

Website: <http://www.jsce.ir>

Email: info@jsce.ir

Articles

2 / Message from responsible director (in Persian)

5-15 / Evaluation of appropriate behavioral models for numerical simulation of new Cu based shape memory alloy

Mehrsa Mirzahosseini, Mohsen Gerami

16-28 / Estimating the behavior of RC beams strengthened with NSM system using artificial neural networks

Seyed Rohollah Hoseini Vaez, Hosein Naderpour, Mohammad Barati

29-41 / Structural behaviour of concrete poles used in electric's power distribution network

M. Zeynalian, M. Zamani

42-57 / Function comparison between moment frame and moment frame with centrally braces in high-rise steel structure under the effect of progressive collapse

Rohola Rahnavaard, Navid Siahpolo

58-78 / Probabilistic seismic assessment of RC frame structures in North of Iran using fragility curves

Ali Naseri, Hossein Pahlavan, Gholamreza Ghodrati Amiri

79-97 / Shear strength estimation of the concrete beams reinforced with FRP; comparison of artificial neural network and equations of regulations

Mahmood Akbari, Vahid Jafari Deligani, Hamid Nezaminia

98-117 / Nonlinear static analysis of steel frames with semi rigid beam to column connections using cruciform element

V.R. Afkhami, M.T. Kamali

118-135 / Effect of soil-structure interaction on the seismic behaviour of pedestal-structure system in large dish antennas

Bahador Pourhatami, Mahmood Hosseini, Amir Mahmoudzadeh

136-154 / Assessment of aggregates- cement paste border in concretes containing silica fume and fly ash

Ali Sadrmomtazi, Behzad Tahmouresi

155-171 / Study on seismic behaviour of integral concrete bridges with different skew angles through fragility curves

M.R. Shiravand, S.Mahboubi, P.Omidian

172-185 / The effect of rebar coating types on bars corrosion of self-compacting concrete

Mehdi Azhdary Moghaddam, Mahmoud Miri, Mohsen Rigi

186-200 / Technical note: Risk detection in light steel frame buildings in design, construction and implementation phases

Ali Yeganeh, Hashem Shariatmadar

201-212 / Abstracts in English

213 / Message from responsible director in English