

International Journal of Structural and Civil Engineering Research

CONTENTS

Volume 7, Number 4, November 2018

Building Materials Design and Development

Modeling of Lead Rubber Bearings via 3D-BASIS, SAP2000, and OpenSees Considering Lead Core Heating Modeling Capabilities.....294

Zafer Kanbir, Gökhan Özdemir, and Cenk Alhan

Comparison of the Performance of Macro-Polymeric Fibers and Steel Fibers in Controlling Drying Shrinkage Cracks of Concrete.....302

Alireza. Bagheri, Armin. Jamali, Morteza. Gorgani-Firoozjah, and Hamed. Zanganeh

Effect of Stirrup Ratio on the Shear Behavior of 1/2 Scale RC Beams309

Alptug Unal, Mehmet Kamanli, and Salih Cengiz

Effect of Water-binder Ratio and Blaine fineness on the Carbon Dioxide Activation of a Cement-Free Binder314

Pedro S. Humbert, João P. Castro-Gomes, and Mohamed B.S. Saafi

Mechanical Behavior of Square CFST Columns with Embedded Steel Plate Reinforcement319

Abdul A. Abdullah, Azrul A. Mutalib, Shahrizan Baharom, and Wan H. Wan Badaruzzaman

Structural Engineering and Analysis

Lateral-Torsional Buckling of Structural Glass Beams. Experimental, Theoretical and Numerical Analysis323

Ondřej Pešek and Jindřich J. Melcher

3D Washout Analysis of Bridge Superstructures Using the Explicit MPS Method.....331

Takahiro Saitoh and Makoto Akitomo

The Development Strategy of Open architecture Products.....337

Dong Xiang, Shiqi Wu, Xiang Wang, and Mengxing You

A Deep Learning Approach to Automated Structural Engineering of Prestressed Members.....347

Ahmed A. Torkey and Ahmed A. Torkey

Response Sensitivity of Low-Rise Buildings to Coefficients of Variations of Random Semi-Active Isolation System Parameters under Near-Fault Earthquakes.....353

S. Öncü-Davas and C. Alhan

Geotechnical and Geological Engineering

Evaluation of Foundation on Soil with Cavities: A Case Study from the UAE.....358

Reem Sabouni and Eng. Muhanad Airan

The New Structural Solution for Sea Dike in Soft Soil Area.....	364
<i>Ngoc. Nguyen Van and Huong Giang. Le Thi</i>	
Urban Construction and Development	
New Urban Agenda: Climate Refugees and International Responsibilities.....	368
<i>Ayse Ozcan and Eric J. Strauss</i>	
Summer Comfort Temperature in the Public Historic Buildings in the Old City of Tartous in Syria.....	378
<i>Maya Hassan, Hui Xie, and Mirna Hassan</i>	
Towards a More Sustainable City: The Role of the Daylight Factor in Evaluating the Energy Requirements of Buildings.....	390
<i>Benedetta Mattoni, Fabio Bisegna, Alessandro Mangione, Gianfranco Rizzo, Gianluca Scaccianoce, and Michele Zinzi</i>	
Universal Design in Order to Reach the Inclusive City.....	395
<i>Fatemeh Tavakoli, Mana Pirhadi, Mahsa Mastouri, and Maryam Pirhadi</i>	
An Analysis on Role of Lighting Quality on Degree of Human Comfort in Public Buildings and Spaces.....	400
<i>Elyar Rostami Sobhani and Faranak Moghadam Far</i>	