

International Journal of Structural and Civil Engineering Research

CONTENTS

Volume 4, Number 4, November 2015

Structural Engineering and Mechanics

- Nonlinear Bending Analysis of Isotropic Plates Supported on Winkler Foundation Using Element Free Galerkin Method..... 301

Gaurav Watts, M. K. Singha, and S. Pradyumna

- Study of the Effect of Stratum Orientation on Damage Initiation and Propagation on Mayan Archeological Limestone by Using Acoustic Emission Technique..... 308

V. Ley-Paredes, C. R. Rios-Soberanis, C. Vinajera-Reyna, and L. R. Pantoja-D áz

- Effect of Depth and Flange to Web Thickness Ratio on Structural Behaviour of Corrugated RC Section Used in Arch Bridge 314

Chong Yong Ong, Jia Bin Yeo, Kok Keong Choong, and Mirzakhid Miralimov

- Numerical Study on Large Span Pre-Stressed Modified Warren Truss 320

Swati Agrawal and Maloy K. Singha

- Reliability Analysis of Steel Frame Structure 326

Klaric Ivana

- Tensioned Fabric Structures with Surface in the Form of Chen-Gackstatter and Monkey Saddle 331

Hooi Min Yee and Mohd Nasir Abdul Hadi

- Fire Fighting Strategies for Light Steel Structure Buildings (Metal Houses) 336

Jen-Hao Chi, Cheng-Tung Chen, and Peng-Chi Peng

Concrete Structure and Properties

- Effect of Cement Proportion on Strength of Recycled Aggregate Concrete..... 341

Ahsanul Kabir, Nizam Uddin Ahmed, and Md. Shariful Alam

- Enhancing the Performance of Recycled Aggregate Concrete with Microsilica 347

Ajibola I. Tijani, Jian Yang, and Samir Dirar

- Mechanical Properties of Reactive Powder Concrete under Pre-Setting Pressure and Different Curing Regimes 354

M. A. Dashti Rahmatabadi

Construction and Management

- Development and Implementation of Precast Paving Notch System for Accelerated Bridge Repair..... 359

Yoon-Si Lee, Brent Phares, Dean Bierwagen, and Mike Laviolette

- Numerical Modeling of Soil Improvement for Construction of Tunnels Using Forepole Presupport 366

Seyed Abolhasan Naeini and Bahareh Mohammadi-Haji

Current Practice of Risk Management in the Malaysia Construction Industry—The Process and Tools/Techniques..	371
<i>Byung Gyoo Kang, Mohamed Ashfaaq Fazlie, Boon Hoe Goh, Myung Kyu Song, and Cheng Zhang</i>	
Evaluation Index System for Green Building of China Based on Entropy Value Method and Analytic Hierarchy Process (AHP)	378
<i>Shilin Qu, Jiaguo Hu, and Qian Yu</i>	