

Table of Contents

A Hong Kong Case Study on the Combined Usage of In-situ and Laboratory Test Devices for Road Foundation Assessment <i>Gordon LM Leung and Alan WG Wong</i>	1
The Application of Satellite Remote Sensing on Habitat Management <i>Chi-Sheng Teng, Ya-Chin Teng, Aileen Wei-Zheng Teng, Wei-Yea Chen, Ho-Wen Chen, Ying-Chyi Chou, Ching-hua Lu and Liang-Kong Lin</i>	7
Experimental Test for the Detection of Damage to a Concrete Beam <i>Saidi abdelkrim, Hamouine abdelmadjid and Abdellatif megnounif</i>	12
Dissipative Capacity Analysis of Steel Building Using Viscous bracing Device <i>Abdelouahab Ras, Baghdad Boukhari, Nadir Boumechra and Karim Hamdaoui</i>	17
Some Statistical Properties of Residual Sea Level along the Coast of Vietnam <i>Doan Van Chinh, Li Jiancheng and Bui Thi Kien Trinh</i>	22
Bond Strength of Re-bars in Interior Beam-Column Joint Under Cyclic Loading <i>Hyeon-Jong Hwang, Tae-Sung Eom and Hong-Gun Park</i>	28
Shear Strength of Low-rise RC Walls with Grade 550 MPa Bars <i>Baek, Jang-Woon, Park, Hong-Gun and Shin, Hyun-Mock</i>	34
Shear Strength of Composite Beams with Dual Concrete Strengths <i>Chul-Goo Kim, Hong-Gun Park, Su-Min Kang and Geon-Ho Hong</i>	40
Flexural Capacity of Concrete-Filled Tubular Columns Encased with Precast Concrete <i>Ho-Jun Lee, Hong-Gun Park, Sung-Bae Kim and Sung-Soon Park</i>	45
Properties of Soil Sediment in Wadi Arar, Kingdom of Saudi Arabia <i>Alnos Hegazy and Mohammed Alghamdi</i>	50
Research on Geotechnical Seismic Isolation System <i>Jin Man Kim, Hong Woo Jeon, Su Won Son, Geon Ha Na and Yong An Lee</i>	55
Stability Analysis of Homogeneous Earth Slopes <i>Gopi Siddappa and M.C. Shanthakumar</i>	60
Blended Low Calcium Fly Ash Gopolymer Concrete – Environment Friendly Construction Material <i>D S Cheema and N Lloyd</i>	65
Hydraulic Model of Trickle Irrigation Laterals with Single and Varying Pipe Size <i>Mohamed Khaled Salahou, PENG shi zhang and Xu Jun-Zeng</i>	70
Fractal Description of Pores in Low Permeability Sandstone and the Inside Nonlinear Fluid Flow <i>Wu Jingchun, Zhang Zhenlu and Qin Shenggao</i>	79
Multi-Loops of Mercury Intrusion-withdrawal Processes and the Fractal Analyses <i>Wu Jingchun, Tuo Weizhi, Yang Fan and Qin Shenggao</i>	85
Environmentally Compatible Spatial Structures <i>Marta Gil P érez, Ju Dong Lee, Sanghee Kim and Thomas H.-K. Kang</i>	90
Author Index	95