

TABLE OF CONTENTS

Volume 5 Number 4

April 2013

The Analysis of the Influence and Inspiration of the Bauhaus on Contemporary Design and Education

W. W. Chen, Z. Z. He.....323

Evaluation of System Performance of Ultra-Wide-Band Jointing in MC Signaling in Correlated Environments

J. I.-Z. Chen, K.-C. Chuang, L.-T. Yeh.....329

Inexpensive Pipelines Health Evaluation Techniques Based on Resonance Determination, Numerical Simulation and Experimental Testing

W. S. Abushanab.....337

New Method for Prediction Pile Capacity Executed by Continuous Flight Auger (CFA)

W. N. A. Elsamee.....344

Modeling Natural Gas Productivity Recovery from a Hydrate Reservoir Well

B. Dou, H. Gao, B. B. Fan, L. Ren.....355

Studies on Chemical Resistance of PET-Mortar Composites: Microstructure and Phase Composition Changes

A. S. Benosman, M. Mouli, H. Taibi, M. Belbachir, Y. Senhadji, I. Bahlouli, D. Houivet.....359

Effect of Surface Texturing on Lubricating Condition under Point Contact Using Numerical Analysis

Y. Ohue, H. Tanaka.....379

Measurement of the Lubricant Properties Using Hall Effect Sensor: A Study on Contamination and Viscosity

W. Sriratana, R. Murayama.....386

A Boundary Integral Formulation of the Plane Problem of Magneto-Elasticity for an Infinite Cylinder in a Transverse Magnetic Field

M. S. Abou-Dina, A. F. Ghaleb.....394

Mathematical Theory and Methods of Mechanics of Quasicrystalline Materials

T. Y. Fan.....407

Effects Residence Time to Water Quality in Large Water Distribution Systems

H. Shamsaei, O. Jaafar, N. E. A. Basri.....449

The figure on the front cover is from the article published in Engineering, 2012, Vol. 5, No. 4, pp. 355-358 by Bin Dou, *et al.*