

TABLE OF CONTENTS

Volume 3 Number 10

October 2011

| | |
|--|------|
| A Simplified Procedure for Predicting the Ultimate Strength of Beam-Column Channel Sections | |
| O. Bedair..... | 973 |
| Development and Application of Real-Time Bridge Scour Monitoring System | |
| J.-G. Kang..... | 978 |
| Structural Reanalysis of Dynamic Systems Using Model Updating Method | |
| K.-B. Han..... | 986 |
| Experimental Study for the Determination of the Material Diameter of the Riprap Bed Protection | |
| J.-G. Kang, S.-H. Jung, D.-S. Rhee, H.-K. Yeo..... | 992 |
| Experimental Study on the Flow Characteristics of ∇-Type Groyne | |
| J.-G. Kang, H.-K. Yeo..... | 1002 |
| Finite Element Analysis of Von-Mises Stress Distribution in a Spherical Shell of Liquefied Natural Gas (LNG) Pressure Vessels | |
| O. Adeyefa, O. Oluwole..... | 1012 |
| Influence of Structural Aspects on the Generation Process in Planetary Gear Trains | |
| R. Rajasri, A. K. S. Gupta, D. R. Yendluri..... | 1018 |
| Reverse Engineering Closely-Spaced Free-Form Shapes for a Fabric-over-Body Model | |
| D. Chen, A. Ravindran, P. Vishwabrahmanasaraf..... | 1022 |
| Evaluation of the Performance of Infrared Thermography for on-Line Condition Monitoring of Rotating Machines | |
| V. Leemans, M.-F. Destain, B. Kilundu, P. Dehombreux..... | 1030 |
| Industrial X-Ray Image Enhancement Algorithm Based on AH and MSR | |
| W. Jie, D. D. Wang, Y. W. Wang, J. Li, L. Wang, H. Liang..... | 1040 |
| Assessment of Medical Waste Incinerator Performance Based on Physical Characteristics of Ashes | |
| S. V. Manyele, I. S. Kagonji, J. Mrisho..... | 1045 |
| Two Multi-Objective Genetic Algorithms for Finding Optimum Design of an I-Beam | |
| A. Khazaei, H. M. Naimi..... | 1054 |

The figure on the front is from the article published in *Engineering*, 2011, Vol. 3, No. 10, pp. 973-977 by Osama Bedair.