

Table of Contents

Volume 2 Number 4

November 2014

Liquefaction-Induced Ground Deformations Evaluation Based on Cone Penetration Tests (CPT)

- A. Ndoj, N. Shkodrani, V. Hajdari..... 249

Strain Rate Effect on the Response of Blast Loaded Reinforced Concrete Slabs

- K. S. Kandil, M. T. Nemir, E. A. Ellobody, R. I. Shahin..... 260

Design and Verification of Selected Technological Procedures for the Repairs of Land Vehicles

Combat Damage

- J. Furch, J. Glos, A. Švásta..... 269

Flow Characteristics and Cavitation Effect of the Submerged Water Jet Discharged from a Central-Body Nozzle

- H. X. Liu, Q. M. Shao, C. Kang..... 281

Improving the Dielectric Properties of High Density Polyethylene by Incorporating Clay-Nanofiller

- O. E. Gouda, S. F. Mahmoud, A. A. El-Gendy, A. S. Haiba..... 289

A Proposed Exercise to Reinforce Abstract Thinking for Upper-Division Computer and Electrical Engineering Students: Modeling a High-Speed Inverter Using Cognitive Representations and Abstract Algebra

- R. Melendy..... 298

Optimization of an Ammonia Synthesis Converter

- J. G. Akpa, N. R. Raphael..... 305

Vibration Control for Two Air Compressor Units Used in Tandem

- V.-M. Nani, I. Cireş..... 314

Model Helicopter Control Using Body-Mounted Vibro-Tactile Transducers

- R. Zhou, M. Mehrandezh, R. Paranjape..... 322