

# International Journal of Engineering and Technology

## CONTENTS

---

---

**Volume 9, Number 5, October 2017**

• **Mechanical Power Engineering**

Simulation-Based Trucks Configuration for Twin 40 Feet Quay Cranes in Container Terminals.....354

*Peng Yun, Wang Wenyuan, Zhang Qi, Chen Modi, and Zhang Ran*

Dynamic Analysis of Coupling Vehicle-Bridge System Using Finite Prism Method.....359

*A. T. Saeed and Zhongfu Xiang*

• **Power Equipment and Systems**

The Damper Performance Tests for the Aeolian Vibration of Overhead Lines.....366

*Wenping Xie, Tian Peng, Kai Xiao, and Jian Zhang*

• **Civil and Structural Engineering**

A Design of Sustainable System towards Green Architecture.....370

*Xu Tan and Songwen Tan*

The Case Study of a Deep Pit Excavation above Multiple Metro Tunnels and Influential Factors Analysis on Tunnel Upheaval Behaviors.....374

*Gao Wei, Li Hai Bin, Wei Xuan Wan, and Zhang Ai Jun*

Construction Project Management: An Experiential Learning Case Study.....378

*Michael Er*

Strengthening of Prism Beam by Using NSM Technique with Roots Planted in Concrete.....383

*Douread R. Hassen, Abdul Aziz Abdul Samad, and Alyaa A. Azeez*

Management of Construction Projects in Vietnam: An Activity Theory Analysis.....387

*Michael Er*

Application of BIM on Documenting Construction Defects.....392

*Ying-Mei Cheng*

Multivariate Regression Model to Predict Failure of Pipelines.....398

*Narain Hariharan, Hakan Sahin, Jose Rafael Menendez, and Gökhan Saygili*

• **Port Planning and Layout**

An Optimization Model for Port Service Network of Refrigerated Containers Based on Transportation Time Reliability.....405

*Xiangqun Song, Qianli Ma, Wenyuan Wang, and Shibo Li*

• **Computer and Communication Engineering**

Detection and Defense Algorithms of Different Types of DDoS Attacks.....410

*Mohd Azahari Mohd Yusof, Fakariah Hani Mohd Ali, and Mohamad Yusof Darus*

Lowest PAPR Selection Technique from SLM and PTS with One IFFT Block in Wireless MC-CDMA Communication Systems.....	415
<i>Mesri Mokhtaria, Merah Hocine, and Tahkoubit Khaled</i>	
FPGA Hardware Co-simulation of New Chaos-Based Stream Cipher based on Lozi Map.....	420
<i>Lahcene Merah, Adda Ali-Pacha, Naima Hadj-Said, Belkacem Mecheri, and Mustafa Dellassi</i>	