

International Journal of Engineering and Technology

CONTENTS

Volume 16, Number 2, 2024

Impact of Dark Mode on the User Experience of Productivity-Oriented Applications	61
<i>Robert Zebec* and Karsten Huffstadt</i>	
Evaluating the Impact of an Assembly System 4.0 on Human Error	67
<i>Jacqueline Humphries*, Pepijn Van de Ven, and Alan Ryan</i>	
Adsorption Equilibrium Characteristics of Phenol and Lead on Bamboo Chitosan Composite Bead	74
<i>Dong Seon Kim, Byoung Jun Min, Pan Pan Sun, Sung Yong Cho, and Tae Young Kim*</i>	
Research on the Age-Friendly Transformation of Old Residential Communities	80
<i>Nan Yang* and Bin Wang</i>	
Identification of the Most Important 3D Roughness Parameters for Surface Characterization for Enhanced Process Optimization in Mechanical Blasting	87
<i>M. Y. Liu*, H. Schlegel, and M. Dix</i>	
Computational Analysis of Vertical Subsonic Propane Jet Fires: A Comparative Study of Commercial (COMSOL) and Open Source (FDS) Software	92
<i>A. Palacios*, P. M. Castro-Olivera, A. Llante-Salas, V. Foroughi, and J. Casal*</i>	
A Commercial Speaker-Transformed Vibrational Energy Harvesting Device-Conceptual Study and Laboratory Trial on a Model Bridge	98
<i>K.C. Chang, T. Nishino*, M. Onishi, W. Murata, K. Sugihara, T. Onodera, S. Okada, and H. Tanigawa</i>	
Custom Fit Non-Invasive Ventilation Mask with Microclimate Monitor: Preliminary Study	104
<i>S. Morad* and S. Lindsay</i>	
Morphological Engineering of Porphyrin Porous Organic Polymers	109
<i>Mingxuan Li</i>	
Methodology for Reconfigurable Cobot-Based Quality Control System for SME Production	113
<i>Madis Moor*, Martinš Sarkans, Jüri Riives, Tauno Otto, and Jaime Masiá Vañó</i>	
Safe U-Turn Management Model Based on Area: A Case Study of Nakhon Ratchasima.....	120
<i>Yotsawat Kamol*, Sajjakaj Jomnonkwao, and Onanong Sangphong</i>	