

## CONTENTS

### Section A: Marine Engineering, Maritime, and Marine Affair (Management, Tourism)

|  |  |     |
|--|--|-----|
| A Heuristic Algorithm of Vehicle Routing Problem with Time Windows and Less-Than-Truckload Carrier Selection .....   | Chao-Sheng Wu, Ching-Wu Chu, and Hsiu-Li Hsu   | 129 |
| Finite Element Method in Statistical Analysis of Flexible Pavement .....   | .... Abdollah Shayesteh, Elahe Ghasemisalehabadi, Mohammad Worya Khordehbinan, and Touba Rostami | 142 |
| An Integrated Inventory Model with Dependently Polynomial Crashing Costs and A Fuzzy Interest Rate .....   | ..... Li-Hsing Ho and Wei-Feng Kao   | 153 |
| Experimental Investigations on Cavitations of Marine Propellers Using Quantitative Image-Based Methods .....   | ..... Yaw-Huei Lee, Yi-Chih Chow, and Yu-Chi Chang   | 158 |
| The Research on Compressor Performance Degradation Caused by Tip Clearance Enlargement Due to Corrosion in Marine Environments .....                                     | ..... Hai-Ou Sun, Jing-Yuan Ma, Zhong-Yi Wang, and Lei Cao                                       | 166 |
| Study of Junction Flow Structures with Different Turbulence Models .....   | ..... Jun Pei Lee, Jiahn-Horng Chen, and Ching-Yeh Hsin  | 178 |
| Fuzzy Grounding Alert System for Vessel Traffic Service via 3D Marine GIS .....  | ..... Sheng-Long Kao, Ki-Yin Chang, and Tai-Wen Hsu  | 186 |
| Application of Coupled FEM/BEM on the Analysis of Underwater Radiated Noise of a Surface Ship Induced by Hull Vibrations .....   | ..... Hua-Tung Wu and Pei-Tai Chen   | 196 |
| Well Control Capacity-Based Risk Analysis of Gas Cut in Deepwater Drilling .....   | ..... Yuqiang Xu, Zhichuan Guan, Yan Jin, Hua Pang, Yongwang Liu, Bo Zhang, and Yanan Sheng      | 205 |
| Performance Evaluation of the Security Management of Changjiang Maritime Safety Administrations: Application with Undesirable Outputs in Data Envelopment Analysis ..... | ..... Guo-Ya Gan, Hsuan-Shih Lee, Cheng-Chi Chung, and Shu-Ling Chen                             | 213 |
| A Study of Fuel Temperature Dynamic Characteristics for Diesel Engine Combination Electronic Unit Pump System .....  | ..... Wensheng Zhao, Liyun Fan, Quan Dong, and Xiuzhen Ma  | 220 |
| Characteristics Analysis of Vessel Traffic Flow and Its Mathematical Model .....   | ..... Zhao Liu, Jingxian Liu, Zongzhi Li, Ryan Wen Liu, and Naixue Xiong                         | 230 |

### Section B: Oceanography, Marine Biology, Fisheries Science, and Marine Ecology

|  |  |     |
|--|--|-----|
| Simple Heat Processing of Brown Seaweed <i>Sargassum cristaefolium</i> Supplementation in Diet Can Improve Growth, Immune Responses and Survival to <i>Vibrio alginolyticus</i> of White Shrimp, <i>Litopenaeus vannamei</i> ..... | ..... Yu-Hung Lin, Yi-Che Su, and Winton Cheng | 242 |
|--|--|-----|