

CONTENTS

| | |
|---|-----|
| Development of interactive software for evaluations of effective thermal properties in fuel bundles and fuel tubes in Spent Fuel Dry Storage Systems <i>Wei-Keng Lin, Jong-Rong Wang, Yung-Shin Tseng, Chunkuan Shih, and Jui-En Chang</i> | 129 |
| A compound drop in a hot inert environment <i>Chia-Hung Wang and Ta-Hui Lin</i> | 137 |
| Optimal dimensional synthesis of the trigger mechanism of a high-voltage circuit breaker <i>Ming-Jung Yu, Li-Chun Wang and Shyh-Chin Huang</i> | 146 |
| Correlations between deposition parameters, mechanical properties, and microstructure for diamond-like carbon films synthesized by RF-PECVD <i>Jiong-Shiun Hsu, Shinn-Shyong Tzeng, Chih-Ming Kuo and Ying-Jie Wu</i> | 157 |
| Tip-off effect analysis of a vehicle moving along an inclined guideway by considering dynamic interactions <i>Sheng-Nan Chou, Fu-Ping Cheng and Chiung-Shiann Huang</i> | 164 |
| A hybrid algorithm for reliability evaluation of a multi-state system <i>Xiu-Zhen Xu and Yi-Feng Niu</i> | 173 |
| A robust zero-watermarking algorithm for copyright protection of text documents <i>Zunera Jalil and Anwar Majid Mirza</i> | 180 |
| Intention deduction from demonstrated trajectory for tool-handling task <i>Hoa-Yu Chan, Kuu-young Young and Hsin-Chia Fu</i> | 190 |
| Parallel tsunami simulation and visualization on tiled display wall using OpenGL Shading Language <i>Tung-Ju Hsieh, Wen-Yew Liang, Yang-Lang Chang, Muhammad T. Satria and Bormin Huang</i> | 202 |
| Parallel terrain rendering using a cluster of computers <i>Tung-Ju Hsieh, Falko Kuester and Tara Hutchinson</i> | 212 |
| Joint playout and FEC control for multi-stream voice over IP networks <i>Chun-Feng Wu, Yuan-Chuan Chiang and Wen-Whei Chang</i> | 224 |
| The deployment of TH-MC-CDMA systems over two-tier femtocell environments <i>Joy Iong-Zong Chen</i> | 236 |
| Utilizing support vector machine and fuzzy C-means algorithms in the base station for jamming detection <i>Javad Afshar Jahanshahi, Seyed Ali Ghorashi and Mohammad Eslami</i> | 245 |
| Simulation of non-Gaussian wind pressure fields on domed structures <i>Nyi Nyi Aung, Ye Jihong, and Forrest James Masters</i> | 257 |

