

CONTENTS

17th International Conference on Multimedia Modeling

An Effective Color-Difference-Based Demosaicking Method	Yea-Shuan Huang and Sheng-Yi Cheng	623
Vehicle Counting without Background Modeling	Cheng-Chang Lien, Cheng-Ta Hsieh, and Ming-Hsiu Tsai	631
Traffic Monitoring and Event Analysis Based on Integrated Multivideo and Petri Net Process	Chang-Lung Tsai	639
An Effective Illumination Compensation Method for Face Recognition	Yea-Shuan Huang and Chu-Yung Li	647
People Tracking in a Building Using Color Histogram Classifiers and Gaussian Weighted Individual Separation Approaches	Che-Hung Lin, Sheng-Luen Chung, and Jing-Ming Guo	653
Automatic Location for Multi-Symbology and Multiple 1D and 2D Barcodes	Daw-Tung Lin and Chin-Lin Lin	663

Section A: Oceanography, Engineering, Maritime, and Management

A Heat Island Observation via MODIS and Concurrent Helicopter-Borne IR Imager	Tsung-Hua Kuo, Gin-Rong Liu, Tang-Huang Lin, Chia-Wen Lan, and Chi-Ping Huang	669
Physical Models for Simulating Ship Stability and Hydrostatic Motions	Shyh-Kuang Ueng	674
Network Burst Monitoring and Detection Based on Fractal Dimension with Adaptive Time-Slot Monitoring Mechanism	Hsiao-Wen Tin, Shao-Wei Leu, Shun-Hsyung Chang, and Gene Eu Jan	686
Determining the Internal Structure of Cement-Based Materials by Using MRI Techniques	Hsiang-Wei Chiang, Ran Huang, and Chia-Jung Tsai	695
The Least Squares Trefftz Method and the Method of External Source for the Eigenfrequencies of Waveguides	Hui-Ming Fang, Chia-Ming Fan, Yan-Cheng Liu, and Sung-Shan Hsiao	703

Section B: Biology, Fishery, Aquatics, and Ecology

Mortality in the Ocean - with Lessons from Hydrothermal Vents off Kueishan Tao, Ne-Taiwan	Hans-Uwe Dahms and Jiang-Shiou Hwang	711
Using Hydroxyapatite from Fish Scales to Prepare Chitosan/Gelatin/Hydroxyapatite Membrane: Exploring Potential for Bone Tissue Engineering	Yi-Cheng Huang and Hao-Wen Chu	716
Seasonal Variation on General Composition, Free Amino Acids and Fatty Acids in the Gonad of Taiwan's Sea Urchin <i>Tripneustes gratilla</i>	Yu-Chun Chen, Tai-Yuan Chen, Tze-Kuei Chiou, and Deng-Fwu Hwang	723
Ba/Ca Ratios in Otoliths of Southern Bluefin Tuna (<i>Thunnus maccoyii</i>) as a Biological Tracer of Upwelling in the Great Australian Bight	Yu-Ting Lin, Chia-Hui Wang, Chen-Feng You, and Wann-Nian Tzeng	733
Title Index to Volume 21 (2013)		742
Author Index to Volume 21 (2013)		748
Key Words Index to Volume 21 (2013)		750