International Journal of Signal Processing Systems

CONTENTS

Volume 4, Number 3, June 2016

Computer Application and Network Security

On Enhancement of Reading Brain Performance Using Artificial Neural Networks' Modeling 177
Hassan M. H. Mustafa, Mohamed Abdulrahman, Shahinaz Mahmoud, Ayesha Sohail, and Nosipho Dladlu

On a New Competence Measure Applied to the Combining Multiclassifier System.....185
Marek Kurzynski

Network Element Simulation Based on Log Files 192
Bahadır Taşdemir, İzzet Çelik, Ferit Ünlü, Caner Reşber, and Ömer Sönmez

A Supervised Learning Approach for the Fusion of Multiple Classifier Outputs.....198
C. Ulas, B. Koroglu, C. Bekar, O. Burcak, and O. Agin

Vulnerability Research and Mapping of Campus Network 204
Justinus Andjarwirawan, Agustinus Noertjahyana, and Devi C. Angi

Parallel Processing of Ray Tracing on GPU with Dynamic Pipelining.....209
Mekhriddin Rakhimov Fazliddinovich and Yalew Kidane Tolcha

Signal Processing Technology

Obstruent Consonant Landmark Detection in Thai Continuous Speech 214
Siripong Potisuk

Review of Parameter Estimation Techniques for Time-Varying Autoregressive Models of Biomedical Signals 220
A. R. Najeeb, M. J. E. Salami, T. Gunawan, and A. M. Aibinu

Reduction of Impulsive Noise in OFDM Systems Using a Hybrid Method 226
Alina Mirza, Sumrin Mehak Kabir, and Shahzad Amin Sheikh

An Efficient Turbo Equalization for Faster than Nyquist Signal.....231
Chang-Uk Baek and Ji-Won Jung

Solving the Problem of the Accents for Speech Recognition Systems.....235
Irakli Kardava, Jemal Antidze, and Nana Gulua

Image Processing and Application

Location Selection for Versatile Characters of Image Based CAPTCHA 239
Chen-Chiung Hsieh, Yu-Chen Lin, Kai-Miao Cha, and Chao-Wei Huang

Partially and Fully Constrained Least Squares Linear Spectral Mixture Models for Subpixel Land Cover Classification Using Landsat Data 245
Uttam Kumar, Cristina Milesi, Ramakrishna R. Nemani, S. Kumar Raja, Weile Wang, and Sangram Ganguly

The Technology of Parallel Processing on Multicore Processors.....252
Musaev Muhammadjon Mahmudovich and Berdanov Ulug'bek Abdumurodovich

Human Ear Localization: A Template-Based Approach.....258
Alaa Halawani and Haibo Li