

International Journal of Modeling and Optimization

CONTENTS

Volume 6, Number 1, February 2016

• Modeling and Simulation of Mechanical Control

Verification Study of a CFD-RANS Code for Turbulent Flow at High Reynolds Numbers.....1

Omer Musa, Zhou Changshen, Chen Xiong, and Li Yingkun

Integrated Pitch-Yaw Acceleration Autopilot Design for Varying-Velocity Man Portable Missile.....11

A. Awad and H. P. Wang

The Use of Least Square, Matrix Decomposition and Compression Techniques for Oil and Gas Pipeline Simulation.....18

Dai-Xi Xie and Da-Cheng Mei

• Information Theory and Model Analysis

Adaptive Digital Resource Modeling as Service Provider and Consumer.....25

Daouda Sawadogo, Ronan Champagnat, and Pascal Estraillier

Power Consumption Modeling of Data Center IT Room with Distributed Air Flow.....33

Xiaojing Zhang, Therese Lindberg, Krister Svensson, Valeriy Vyatkin, and Arash Mousavi

Heterogeneous Model Merging Based on Model Transformation.....39

Hongtian Ma, Hehua Zhang, and Ming Gu

An Algorithm Model For Incremental Detection of Spam Reviews.....45

Maoan Wang, Jun Sun, Yifan Wu, and Guoshi Wu

• Operations Research and Financial Engineering

Optimizing Mobile Asset Protection in Areas Where Protective Resources Are Limited.....49

Barry Webster, William Arrasmith, and Lok Acharya

The Chance-Constrained Programming for the Lot-Sizing Problem with Stochastic Demand on Parallel Machines.....56

S. Chotayakul and V. Punyangarm

Appropriate Learning Rate and Neighborhood Function of Self-organizing Map (SOM) for Specific Humidity Pattern Classification over Southern Thailand.....61

W. Natita, W. Wiboonsak, and S. Dusadee

Application of Wavelet Fuzzy Model to Forecast the Exchange Rate IDR of USD.....66

Tri Wijayanti Septiarini, Agus Maman Abadi, and Muhammad Rifki Taufik

