

International Journal of Modeling and Optimization

CONTENTS

Volume 4, Number 1, February 2014

• Special Issue on Applications of Optimization Techniques

- Credit Financing in Economic Ordering Policies for Defective Items with Order Overlapping.....1
Chandra K. Jaggi, Mandeep Mittal, Jyoti Gulia, Pankaj Singh, and Ruchi Sharma
- Fault Removal Phenomenon Using Different Distribution Functions for Each Release.....5
Ompal Singh, Jyotish N. P. Singh, Anshul Tickoo, and P. K. Kapur
- Solving Multi Objective Linear Programming Problems Using Intuitionistic Fuzzy Optimization Method: A Comparative Study.....10
S. K. Bharati and S. R. Singh
- Weighted Performance Function for (r, s)-Entropy of Discrete Memoryless Communication Channel under Single Constraint.....17
H. D. Arora, Vijay Kumar, and Anjali Dhiman
- An Experimental Comparison of the Link Prediction Techniques in Social Networks.....21
D. Sharma, U. Sharma, and Sunil Kumar Khatri
- Ordering Policy for Imperfect Quality Itemsets Using Cross Selling Effects.....25
Mandeep Mitta, Juhi Singh, Amit Aggarwal, Khushboo Kumari, and Manan Yadav
- Mathematical Analysis and Availability of the Pulping System in the Paper Industry.....31
Zeenat Zaidi and Yogesh Kumar Goyal
- Fruit Quality Estimation by Color for Grading.....38
Hassan Sardar
- #### • System Modeling and Optimization
- Simulation of Carbon Dioxide Capture for Aluminium Production Process.....43
Udara S. P. R. Arachchige, Dinesh Kawan, and Morten C. Melaaen
- A Simulation-Based Time Reduction Approach for Resource Constrained Design Structure Matrix.....51
Hisham M. Abdelsalam, Mohamed H. Rasmy, and Hayam G. Mohamed
- Mathematical Model for Alternative Fuel Combustion in a Rotary Cement Kiln Burner.....56
W. K. Hiromi Ariyaratne, E. V. P. J. Manjula, Morten C. Melaaen, and Lars-André Tokheim
- Research of Adaptive Fault-Tolerant Control Based on T-S Fuzzy Model.....62
Z. J. Yu and Y. N. Xu
- A Classification of Domain-Specific Language Intents.....67
Gábor Kövesdán, Márk Asztalos, and László Lengyel

Circuit Partitioning for Behavioral Full Chip Simulation Modeling of Analog and Mixed Signal Circuits.....	74
<i>Samantha Alt, Malgorzata Marek-Sadowska, and Li. C. Wang</i>	
Constraint Programming Based Production Planning in a Petrochemical Industry.....	81
<i>Rajasekhar Kadambur and Prakash Kotecha</i>	