Contents

Article

003. Optimal assembly line balancing using tabu search with partial random permutation technique
Supaporn Suwannarongsri, Deacha Puangdownreong

019. An application of fuzzy set theory for supply chain coordination
Santanu Sinha, S. P. Sarmah

033. Economic growth and control strategies under the environmental pressure: Economic advance-retreat course analysis II
Feng Dai, Jianping Du, Songtao Wu

054. Value streams based strategy: modeling for lean management performance
V. Cruz Machado, José Tavares

063. Engineering management or management of technology? A bibliometric study of IEEE TEM
Alan Pilkington

071. The use of employee participation in the USA and Spanish companies
Juan A. Marin-Garcia, Tomas Bonavia, Cristóbal Miralles

Bibliographic
ISSN: 1750-9653 (print), 1750-9661 (online), Quarterly
Edited by International Committee of Management Science, WAU
Published by World Academic Union (World Academic Press)
Publisher Contact: 113, Academic House, Mill Lane
Wavertree Technology Park
Liverpool L13 4AH, England, UK
Email: publishing@wau.org.uk
publishermail@gmail.com
URL: www.World Academic Union.com

Copyright © World Academic Union (World Academic Press)
International Journal of Management Science and Engineering Management

Editorial Board (contact email: editor@MSEM.org.uk)

Editor in Chief
Prof. Jiuping Xu
Ph.D. of Applied Mathematics and Ph.D. of Physical Chemistry
School of Business and Administration, Sichuan University, Chengdu 610064, P.R. China
E-mail: china@msem.org.uk

Co-Editor in Chief
Prof. B. Lev
Ph.D. of Operations Research/Management Science
School of Management
The University of Michigan – Dearborn, Dearborn, USA
E-mail: onegejournal@umd.umich.edu

Prof. Juan Ignacio Ramos Sobrados
Ph.D. of Mechanical and Aerospace Engineering and
Ph.D. of Engineering
Departamento de Lenguajes y Ciencias de la Computación,
Universidad de Málaga, E.T.S Ingenieros Industriales, Málaga, Spain
E-mail: jsris@lcc.uma.es

Prof. H.O. Sam
Ph.D. of Management
Business Studies
Hang seng School of Commerce
Hong Kong
E-mail: samho@otl.hssc.edu.hk

Prof. Hong Yan
Ph.D. of Industrial Administration
Department of Logistics
Hong Kong Polytechnic University
Hong Kong
E-mail: lghyan@polyu.edu.hk

Prof. Jan Joachim Ruckmann
Ph.D. of Mathematical Programming
Universidad de las Americas depot
Fiscay matematicas STA.caratumanartr
Cholula, Mexico
E-mail: jjan.ruckmann@udlap.mx

Prof. Kok Lay Teo
Ph.D. of Electrical Engineering
Department of Mathematics and Statistics
Curtin University of Technology
Perth Western - Australia
E-mail: K.L.Teo@curtin.edu.au

Prof. Masao Fukushima
Ph.D. of Applied Mathematics and Physics
Department of Applied Math and Physics
Graduate School of Informatics,Kyoto University
Kyoto, Japan
E-mail: fuku@amp.i.kyoto-u.ac.jp

Prof. Panos M. Pardalos
Ph.D. of Computer and Information Sciences
Department of Industrial and Systems Engineering
University of Florida
Florida, USA
E-mail: pardalos@ufl.edu

Dr. Rene Henrion
Ph.D. of Nonlinear Optimization
Weierstrass Institute for Applied Analysis and
Dep. of Industrial Engineering and Operations
Research
University of California at Berkeley
Berkeley, USA
E-mail: oren@seor.berkeley.edu

Prof. Xiaoqi Yang
Ph.D. of Applied Mathematics
School of Business and Administration, Sichuan University
Chengdu, 610064, P. R. China
E-mail: china@msem.org.uk

China editorial office:
R. Wang (director), Z. Zhang, MSEM Editorial Office
School of Business and Administration, Sichuan University
Chengdu, 610064, P. R. China
E-mail: china@msem.org.uk

Standing Members of Editorial Board
Prof. Anthony Shun Fong Chiu
Ph.D. of Business Administration
Research Scientist Center for Eng. and Sustainable Development Research
De La Salle University - Manila, Philippines
E-mail: anthonyshfchiu@pldtdsl.net

Dr. Andres Medaglia
Ph.D. of Operations Research
Departamento de Ingenieria Industrial, Universidad de los Andes
Bogotá D.C., Colombia
E-mail: amedaglia@unianandes.edu.co

Prof. Christodoulos A. Floudas
Ph.D. of Chemical Engineering
Department of Chemical Engineering
Princeton University, Princeton, USA
E-mail: floudas@stanford.edu

Dr. Youshua Chen (Frank)
Ph.D. of Engineering Management
Dep. of Systems Eng. and Engi.Management
The Chinese University of Hong Kong Sha tin
Hong Kong
E-mail:ychchen@se.cityu.edu.hk

Prof. Douglas C. Montgomery
Ph.D. of Engineering
Department of Industrial Engineering
Arizona State University, Arizona, USA
E-mail: doug.montgomery@asu.edu

Prof. Edwin Cheng
Ph.D. of Operations Research
Department of Logistic
The Hong Kong Polytechnic University
Hong Kong
E-mail: lcheng@inet.polyu.edu.hk

Prof. Edgar David
Ph.D. of Strategy
Division of Business Information Management
Glasgow Caledonian University, UK(Caledonian)
E-mail: d.a.edgar@gcal.ac.uk

Dr. Erhan Kozan
Ph.D. of Management Science
School of Management Science
Queensland University of Technology
Brisbane, Australia
E-mail: e.kozan@qut.edu.AU

Prof. Gianni Di Pillo
Ph.D. of Computing Engineering
Department of Computer and Systems Science
University of Rome “La Sapienza”, Rome, Italy
E-mail: dipillo@dis.uniroma1.it

Dr. Gang Hao
Ph.D. of Business Administration
Department of Management Science
The University of Hong Kong
Hong Kong
E-mail: mghao@cityu.edu.hk

For Editorial Office:
MSEM Editorial Office
Academic House, 113 Mill Lane, Wavetree Technology Park
Liverpool L13 4AH, England, UK
Email: msem@WorldAcademicUnion.com, editor@msem.org.uk