CONTENTS

ARTICLE

3. The golden growth model and management strategy in macroeconomic structure
Feng Dai, Jingxu Liu

23. Turbulent mining models and experimentations for firm’s core competence
Rui Wang, Yangjin Zhu

40. Ensuring generation adequacy with firm energy call options—A case study for the hydro-dependant Colombian system
Julio Villarreal, Carlos Soto

55. Setting parameters for scheduling targets under emergent situations
Jianhua Chen, Xiaoguang Yang

64. Information modeling and reengineering for product development process
Renbin Xiao, Tinggui Chen, Zhenwu Tao

75. New approach to fixed charges problems (FCP)
Krzysztof Kowalski, Benjamin Lev

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

URL: www.World Academic Union.com
International Journal of Management Science and Engineering Management

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

Editor in Chief:
Prof. Juping 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: omegajournal@umd.umich.edu

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

Prof. Nicolas Markatos
Ph.D. of Advanced Chemical Engineering and Technology
Department of Chemical Engineering
National Technical University of Athens
Athens, Greece
E-mail: N.Markatos@ntua.gr

Standing Members of Editorial Board

Prof. Anthony Shun Fung Chiu
Ph.D. of Business Administration
Research Scientist Center for Eng. and Sustainable Development Research
De La Salle University – Manila, Philippines
E-mail: anthonyshyciu@phdlstdl.net

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

Prof. Youhua Chen (Frank)
Ph.D. of Engineering Management
Dep. of Systems Eng. and Eng.Management
The Chinese University of Hong Kong Shatin
Hong Kong
E-mail: yhchen@se.cuhk.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

Prof. 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

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