Journal of Grey System

ISSN 1028-9488 Web Address: http://www.grey.org.tw

Publisher: Professor: Chaang-Yung Kung

Chair of the Board of Directors (Chinese Grey System Association) National Taichung University of Education, Taichung, 402, Taiwan

E-mail: cykung@mail.ntcu.edu.tw

Chief Editor: Professor: Kun-Li Wen

Chienkuo Technology University, Changhua, 500, Taiwan
Fax: +886-4-7111170
E-mail: klw@ctu.edu.tw

Executive Editor: Assistant Professor: Hsiao-Chin Chen

Chienkuo Technology University, Changhua, 500, Taiwan

E-mail: hsiao@ctu.edu.tw

Editorial Board

M. Balaji The Standard International Journals (The SIJ), Coimbatore, India

Kung-Hsiung Chang Department of Business Administration, National Pingtung University of Science

and Technology, Taiwan

Ting-Cheng Chang Department of Computer and Information Engineering, Ningde Normal

University, China

Wei-Che Chang
Hsiu-Jye Chiang
Chun-I Chen
M. Dhanabhakyam
Department of Civil Engineering, Kao Yuan University, Taiwan
Department of Industrial Design, National United University, Taiwan
Department of Industrial Management, I-Shou University, Taiwan
Department of Civil Engineering, Kao Yuan University, Taiwan
Bharathiar University (State University), Coimbatore, India.

Kuo-Hsien Hsia Department of Management Information Systems, Far East University, Taiwan Cheng-Hsiung Hsieh Department of Computer Science and Information Engineering, Chaoyang

University of Technology, Taiwan

Ker-Tah Hsu Department of International Business, National Taichung University of

Education, Taiwan

Pi-Fang Hsu Department of Communications Management, Shih Hsin University, Taiwan Ying-Fang Huang Industrial Engineering and Management, National Kaohsiung University of

Applied Sciences, Taiwan

Yo-Ping Huang Department of Electrical Engineering, National Taipei University of Technology,

Taiwan

Chuen-Jiuan Jane Department of Finance, Ling Tung University, Taiwan

Chih-Sung Lai Department of International Business, National Taichung University of

Education, Taiwan

Yu-Ting Lee Business and Tourism Planning, Ta Hwa University of Science and Technological,

Taiwan

Chih-Feng Lien Department of Marketing and Distribution Management Tzu Chi University of

Science and Technology, Taiwan

Chin-Tsai Lin Department of Business Administration, Ming Chuan University, Taiwan

Jiang-Long Lin School of Creative Design, City College of Dong-guan University of Technology,

China

Jung-Chin Liang Department of Technology Product Design, Ling Tung University, Taiwan

Jeih-Jang Liou Department and Graduate school of Product and Media Design, Fo Guang

University, Taiwan

Meng Lu ARS Traffic & Transport Technology, The Netherlands
Masatake Nagai Department of Engineering, Kanagawa University, Japan

Phung Tuyen Nguyen Research Management and Quality Assurance Office, Kien Giang Teacher

Training College, Vietnam

Phuoc Hai Nguyen Research Management and Quality Assurance Office, Kien Giang Teacher

Training College, Vietnam

DucHieu Pham Faculty of Primary Education, Hanoi Pedagogical University Number 2,

Vinhphuc, Vietnam

Frode Eika Sandnes Faculty of Engineering, Oslo University College, Norway

Jee-Ray Wang Department of Automation Engineering & Institute of Mechatronoptic Systems,

Chienkuo Technology University, Taiwan

Zhong-Yu Wang School of Instrumentation Science & Opt-electronics Engineering, Beihang

University, China

Yong Wei Department of Mathematics and Information, China West Normal University,

China

John H. Wu Department of Mechanical Engineering, National Central University, Taiwan

Xin-Tao Xia Mechatronical Engineering College, Henan University of Science and

Technology, China

Ming-Feng Yeh Department of Electrical Engineering, Lunghwa University of Science and

Technology, Taiwan

Mei-Li You Department of General Education, Chienkuo Technology University, Taiwan

Jian-Min Zhu School of Mechanical Engineering, University of Shanghai for Science and

Technology, China