

International Journal of Business Analytics

January-March 2014, Vol. 1, No. 1

Table of Contents

EDITORIAL PREFACE

- iv **Making Data-Driven Discerning Decision with Business Analytics**
John Wang, Department of Information and Operations Management, Montclair State University, Montclair, NJ, USA
Steve Bin Zhou, College of Business, University of Houston, Houston, TX, USA

RESEARCH ARTICLES

- 1 **Analytics for Smarter Buildings**
Young M. Lee, IBM Thomas J. Watson Research Center, Yorktown, NY, USA
Lianjun An, IBM Thomas J. Watson Research Center, Yorktown, NY, USA
Fei Liu, IBM Thomas J. Watson Research Center, Yorktown, NY, USA
Raya Horeish, IBM Thomas J. Watson Research Center, Yorktown, NY, USA
Young Tae Chae, IBM Thomas J. Watson Research Center, Yorktown, NY, USA
Rui Zhang, IBM Thomas J. Watson Research Center, Yorktown, NY, USA
- 16 **Measuring Effectiveness: A DEA Approach Under Predetermined Targets**
Heinz Ahn, Institute of Management Control & Business Accounting, Technische Universität Braunschweig, Braunschweig, Germany
Ludmila Neumann, Institute of Management Control & Business Accounting, Technische Universität Braunschweig, Braunschweig, Germany
- 29 **Time Lags Related to Past and Current IT Innovations in Japan: An Analysis of ERP, SCM, CRM, and Big Data Trends**
Hiroshi Sasaki, College of Business, Rikkyo University, Tokyo, Japan
- 43 **Design of Closed Loop Supply Chain Networks**
Subramanian Pazhani, Harold and Inge Marcus Department of Industrial & Manufacturing Engineering, Pennsylvania State University, State College, PA, USA
A. Ravi Ravindran, Harold and Inge Marcus Department of Industrial & Manufacturing Engineering, Pennsylvania State University, State College, PA, USA
- 67 **Analyzing Economic Indicators of Disaster Resilience Following Hurricane Katrina**
Mark L. Dottore, Department of Finance, Insurance, and Business Law, Pamplin College of Business, Virginia Tech, Blacksburg, VA, USA
Christopher W. Zobel, Department of Business Information Technology, Pamplin College of Business, Virginia Tech, Blacksburg, VA, USA

Copyright

The **International Journal of Business Analytics (IJBAN)** (ISSN 2334-4547; eISSN 2334-4555), Copyright © 2014 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.

The *International Journal of Business Analytics* is indexed or listed in the following: INSPEC