

2018 International Conference on Information Management and Processing (ICIMP 2018)

**London, United Kingdom
12-14 January 2018**



**IEEE Catalog Number: CFP18N92-POD
ISBN: 978-1-5386-3657-2**

**Copyright © 2018 by the Institute of Electrical and Electronics Engineers, Inc.
All Rights Reserved**

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number:	CFP18N92-POD
ISBN (Print-On-Demand):	978-1-5386-3657-2
ISBN (Online):	978-1-5386-3656-5

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: (845) 758-0400
Fax: (845) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

CURRAN ASSOCIATES INC.
proceedings
.com

2018 International Conference on Information Management and Processing (ICIMP 2018)

Table of Contents

● Knowledge Management and Application

A Novel Tool for Personal Knowledge Management	1
<i>Iyad Zayour, Bilal El-Hajj-Diab</i>	
Understanding User Requirements in Context: A Case Study of Developing a Visualisation Tool to Map Skills in an Engineering Organisation.....	6
<i>Sian Joel-Edgar, James Gopsill</i>	
Applications of Linked Data Technologies in Libraries: Technical and Ethical Considerations.....	11
<i>Qurat Ul Ain Saleem, Nadia Butt, Nosheen Fatima Warriach</i>	
MS-UCF: A Reliable Recommendation Method Based on Mood-Sensitivity Identification and User Credit	16
<i>Ting Yuan, Huaigang Wu, Jingjie Zhu, Lingling Shen, Gang Qian</i>	

● Management Science and Engineering

Asset Management Improvement Design in State University	21
<i>M. Dachyar, Mega Ilham Perkasa</i>	
Integrating Fuzzy Membership Function, Entropy Method and VIKOR to Select Qualified and Stable Employee	26
<i>Chung Chih Lee, Hsing Chau Tseng</i>	
Strategies for the Development of Telemedicine Consultation: Lean Management Theory Perspective.....	32
<i>Duanduan Zhao, Wei Lu</i>	
Data Quality-Based Process Enabling—Application to logistics supply processes in low-volume ramp-up context.....	36
<i>Peter Burggräf, Matthias Dannapfel, Ruben Förstmann, Tobias Adlon, Carsten Fölling</i>	

State of the Art of IT Outsourcing and Future Needs for Managing Its Security Risks	42
<i>Moneef Almutairi, Stephen Riddle</i>	
The Impact of Real-Time Business Intelligence and Advanced Analytics on the Behaviour of Business Decision Makers.....	49
<i>Dursun Delen, Gregory Moscato, Inga Linda Toma</i>	
A Quality Information Management Model for Smart Rework Control within Vehicle Assembly Processes	54
<i>Marco Gewohn, Jürgen Beyerer, Thomas Usländer, Gerhard Sutschet</i>	
Lesson from Tokopedia.com: E-Commerce Success Factor Analysis—A case study from Indonesian unicorn.....	61
<i>Dionisya Kowanda, Muhammad Firdaus, Rowland Bismark Fernando Pasaribu, Sri Nawangsari</i>	
E-Banking Services as a Competitive Edge in Pakistan Banking Sector: Recent Adopters Prospective ...	66
<i>Aisha Rauf, Sundas Rauf, Rashid Mehmood, Usman Rauf Kamboh</i>	
● Information Science and Security Technology	
Subject Based Bibliometric Analysis: A Review of Information Science Discipline	73
<i>Hacer Özen</i>	
How to Discriminate Market Conditions Based on Its Price Jump Information? A Result in EU ETS	77
<i>Yazhi Song, Dapeng Liang</i>	
Artificial Intelligence in Production Management—A review of the current state of affairs and research trends in academia	82
<i>Peter Burggräf, Johannes Wagner, Benjamin Koke</i>	
An Avant-Garde Approach for Detection of Key Individuals with Leader Hierarchy Determination Using FIMAX Model (Anti - terrorism Approach).....	89
<i>Saurabh Singh, Divyani Indurkhya, Aditya Tiwari</i>	
A Supervised Learning Approach to Detect Copyright Infringements	100
<i>Juan Carlos Prieto, Alberto Fernández-Isabel, Isaac Martín de Diego, Felipe Ortega</i>	
The Awareness on Green ICT among Thai Employees: A Factor Analysis	107
<i>Kultida Malison, Nithinant Thammakoranonta</i>	
Big Data and Government Governance.....	111
<i>Zheng Yan</i>	

Towards Inheritance in Graph Databases.....	115
<i>Kornelije Rabuzin, Martina Šestak</i>	
An Improved Visibility Enhancement Method for Foggy Images.....	120
<i>Bhavneet Kaur, Meenakshi Sharma, Amit Verma</i>	
Application of Information Technology in Food Storage and Transportation Safety Management and Establishment of Information Network Integration Platform for Food Storage and Transportation Safety Management	125
<i>Zhang Jing</i>	
Computerised Method of Coping with Technostress in Organizational Situation.....	130
<i>Mohamed Salah-Eddine, Mahmoud EL Hamlaoui, Mustapha Belaissaoui</i>	
Learning through Video Games: A Case Study of Private Schools of Pakistan	135
<i>Tooba Khalid, Syeda Hina Batool</i>	
Motivating STEM Students to Use Web 2.0 Tools for Learning: A Case Study.....	140
<i>Gordan Durovic, Martina Holenko Dlab, Natasa Hoic-Bozic</i>	
Virtual Interactions and Process of Building Interactive Virtual Lectures	145
<i>Nguyen Thi Thanh</i>	