2019 IEEE Conference on Big Data and Analytics (ICBDA 2019)

Pulau Pinang, Malaysia **19 – 21 November 2019**



IEEE Catalog Number: CFP19TWE-POD **ISBN:**

978-1-7281-3309-6

Copyright © 2019 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:	CFP19TWE-POD
ISBN (Print-On-Demand):	978-1-7281-3309-6
ISBN (Online):	978-1-7281-3308-9

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



Table of Contents

Copyright Notice

Full Papers

No	Title	Pages
1	Color Visual Cues Evaluation Method for Decision-oriented Multiple	1
	Coordinated Views	
2	The Prediction of Remaining Useful Life (RUL) in Oil and Gas Industry	7
	using Artificial Neural Network (ANN) Algorithm	
3	Improving the Performance of MapReduce-based Change Detection	12
	Using Sampling	
4	A Support Method for Grasping Topic Transition on the Web According	19
	to Focused Article on SNS	
5	Organization of Work Situations and the Involved Documents in	24
	Complicated Documenting via Intuitive Triggers	
6	Using Data Analytic to Visualize Learning Style for Students TVET	29
	Polytechnic Malaysia	
7	Comparing the Accuracy of Hierarchical Agglomerative and K-means	34
	Clustering on Mobile Augmented Reality Usability Metrics	
8	Analysis of K-Means Clustering Algorithm: A Case Study Using Large Scale	41
	E-Commerce Products	
9	Reducing high variability in medical image collection by a novel cluster	45
	based synthetic oversampling technique	

Author Index