# **2016 IEEE Conference on Open Systems (ICOS 2016)**

Langkawi Island, Kedah, Malaysia 10-12 October 2016



**IEEE Catalog Number: CFP1610M-POD ISBN:** 

978-1-5090-2604-3

# Copyright $\odot$ 2016 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:
 CFP1610M-POD

 ISBN (Print-On-Demand):
 978-1-5090-2604-3

 ISBN (Online):
 978-1-5090-2603-6

ISSN: 2381-3474

#### 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**

	Paper Title	pp.
1	A Case Based Reasoning Decision Support Model for Green ITIS Diffusion in Collaborative Enterprise	1-6
2	CUDA Lossless Data Compression Algorithms: A Comparative Study	7-12
3	Big Data Prediction Framework for Weather Temperature Based on MapReduce Algorithm	13-17
4	Ext4, XFS, BtrFS and ZFS Linux File Systems on RADOS Block Devices (RBD): I/O Performance, Flexibility and Ease of Use Comparisons	18-23
5	IoT in Precision Agriculture Applications Using Wireless Moisture Sensor Network	24-29
6	Scheduling Through Backfilling Technique for HPC Applications in Grid Computing Environment	30-35
7	Prioritization Tool of Cloud Computing Service Provider Based on User Requirement	36-41
8	HLLR: Highest Life Time Least Request Policy for High Performance Pending Interest Table	42-47
9	Identifying Concept From English Translated Quran	48-52
10	The Quadriceps Muscle of Knee Joint Modelling Using Neural Network Approach: Part 2	53-58
11	Investigate the Photovoltaic (PV) Module Performance by Using Artificial Neutral Network (ANN)	59-64
12	Classification and Quantification of User's Emotion on Malay Language in Social Network Sites Using Latent Semantic Analysis	65-70
13	Gait Identification Using One-vs-one Classifier Model	71-75
14	Border Gateway Protocol Based Path Vector Mechanism for Inter-domain Routing in Software Defined Network Environment	76-80
15	Towards Harnessing Wireless Sensor Networks for Supporting the Development Process in Iraq	81-86
16	Optimization of Urban Traffic Network Signalization Using Genetic Algorithm	87-92
17	Semantic Space Expansion and Refinement	93-98
18	DREAMS: Secure Communication Between Resource Management Components in Networked Multi-Core Systems	99-104
19	Software Capability Rating Using System Testing Scores	105-110
20	Inferring Common Language Infrastructure Metadata for an Ambiguous Dynamic Language Type	111-116
21	A Comparison of Database Performance of MariaDB and MySQL with OLTP Workload	117-119
22	Progressing Toward Urban Topology and Mobility Trace for Vehicular Ad Hoc Network (VANET)	120-125

Organizing Committee

**Authors Index** 

List of Reviewers