2016 Seventh International Workshop on Data-Intensive Computing in the Clouds (DataCloud 2016)

Salt Lake City, Utah, USA **14 November 2016**



IEEE Catalog Number: CFP16A52-POD ISBN:

978-1-5090-6159-4

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:
 CFP16A52-POD

 ISBN (Print-On-Demand):
 978-1-5090-6159-4

 ISBN (Online):
 978-1-5090-6158-7

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



2016 Seventh International Workshop on Data-Intensive Computing in the Clouds

DataCloud 2016

Table of Contents

Workshop Papers

Asterism: Pegasus and Dispel4py Hybrid Workflows for Data-Intensive	
Science	1
Rosa Filgueira, Rafael Ferreira da Silva, Amrey Krause, Ewa Deelman, and Malcolm Atkinson	
An Ensemble-Based Recommendation Engine for Scientific Data Transfers	
Pecos: A Scalable Solution for Analyzing and Managing Qualitative Data	17
Data-Intensive Supercomputing in the Cloud: Global Analytics for Satellite	
Imagery	24
Michael S. Warren, Samuel W. Skillman, Rick Chartrand, Tim Kelton, Ryan Keisler, David Raleigh, and Matthew Turk	
Model Driven Advanced Hybrid Cloud Services for Big Data: Paradigm	
and Practice	32
Improved Data-Aware Task Dispatching for Batch Queuing Systems	37
A Multi-tenant Fair Share Approach to Full-text Search Engine	45
An Efficient Parallel Implementation of a Light-weight Data Privacy Method	
for Mobile Cloud Users	51
Mehdi Bahrami, Dong Li, Mukesh Singhal, and Ashish Kundu	
Author Indox	50