2016 9th Workshop on Many-Task Computing on Clouds, Grids, and **Supercomputers (MTAGS 2016)**

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



IEEE Catalog Number: CFP1623F-POD ISBN:

978-1-5090-5213-4

Copyright © 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:
 CFP1623F-POD

 ISBN (Print-On-Demand):
 978-1-5090-5213-4

 ISBN (Online):
 978-1-5090-5212-7

ISSN: 2151-1683

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 9th Workshop on Many-Task Computing on Clouds, Grids, and Supercomputers

MTAGS 2016

Table of Contents

Full Papers

•	
Learning to Diagnose Stragglers in Distributed Computing	1
Design of Fault Tolerant Pwrake Workflow System Supported by Gfarm File System Masahiro Tanaka and Osamu Tatebe	7
The AllScale Runtime Interface — Theoretical Foundation and Concept	13
Clustering Based on Task Dependency for Data-Intensive Workflow Scheduling Optimization	20
Author Index	26