2015 8th International Conference on Database Theory and Application (DTA 2015)

Jeju Island, South Korea
25-28 November 2015

IEEE

IEEE Catalog Number: CFP1541F-POD
ISBN: 978-1-4673-9850-3

Copyright © 2015 by the Institute of Electrical and Electronic 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 publication is a representation of what appears in the IEEE Digital Libraries. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number: CFP1541F-POD
ISBN (Print-On-Demand): 978-1-4673-9850-3
ISBN (Online): 978-1-4673-9849-7

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

2015 8th International Conference on Database Theory and Application

DTA 2015

Table of Contents

Foreword.....vii

Preface.....viii

Conference Organization.....ix

Technical Papers

Graph Pattern Matching through Model Checking.....1
Rui Qiao, Xiaolei Zhong, Ling Zhang, and Heng He

Data Storage Adapter in Big Data Platform.....6
Minh Chau Nguyen and Hee Sun Won

Weighting for Context Inference with Connection and Fusion of Continual Events.....10
Donghyok Suh and Juhye Yook

A Study on Data Input and Output Performance Comparison of MongoDB and PostgreSQL in the Big Data Environment.....14
Min-Gyue Jung, Seon-A Youn, Jayon Bae, and Yong-Lak Choi

Conceptual Predictive Modeling in a Competitive Framework Using Big Data Technology.....18
Jeong-Sig Kim, Eung-Sung Kim, and Jin-Hong Kim

A Study of Conceptual Recommender System for Big Data Platform.....22
Jinhong Kim and Sung-Tae Hwang

A System of Hand Interface Based on Kinect Data.....26
Gi-Woo Kim, Hye-Youn Lim, and Dae-Seong Kang

A Loop Filtering Technique for Reducing Time Overhead of Dynamic Data Race Detection.....29
Se-Won Park, Ok-Kyoon Ha, and Yong-Kee Jun

Message Races in Data Distribution Service Programs.....33
Hyun-Ji Kim, Ok-Kyoon Ha, Yong-Kee Jun, and Hee-Dong Park

Applications of Clustering Methods to Anomaly-Based Intrusion Detection Systems 37
Evgeniya Nikolova and Veselina Jecheva

Author Index 42