Editorial Preface

Special Issue on Big Data and Applications in the Cloud
Part 1

Qussai Yaseen, Jordan University of Science and Technology, Department of Computer Information Systems, Irbid, Jordan

Big Data and its applications are growing immensely. More and more organizations are moving to the cloud. The continuous exposure in internet applications such as Internet of Things (IoT), smart cities, cloud E-healthcare, etc. is moving the cloud into more need to develop robust approaches and applications to deal the hug big data. Therefore, the research in this field is expected to be the hottest topic in the next few years.

Big data applications and systems have many factors such as volume, variety, value, etc. However, there are many challenges that need to be resolved. This aims of this special issue is to discover new developments, trends, and research solutions for Big Data challenges. Topics of interests include, but are not limited to:

- High performance and low cost Big Data Processing in the Cloud: Algorithms and Techniques.
- Big Data and Internet of Things: Challenges and Solutions.
- Knowledge acquisition and Big Data mining.
- Big Data Design, implementation, evaluation and services in the Cloud,
- Big Data analytics and visualization.
- Security and privacy of Big Data in the Cloud.
- Business analytics and Big Data.
- Scalable data storage and computation management for Big Data.
- Systems and applications of Big Data in education.

We seek methods and innovative ideas that can meet various challenges of Big Data research. Papers will be peer reviewed by independent reviewers and selected on the basis of their quality and relevance to the topics of this special issue. The journal editors will make final decisions on the acceptance of the papers.

Qussai Yaseen received his PhD in Computer Science from the University of Arkansas at Fayetteville, AR, USA in 2012, where he developed new approaches for mitigating insider threat in relational databases. At the U of A, he worked as a research assistant for Professor Brajendra Panda on a project funded by US AFOSR to tackle insider threat in relational database systems. Dr. Yaseen has published several papers in refereed journals and conferences. Prior to receiving his Ph.D., Dr. Yaseen worked at Al-Balqaa University, Jordan as an instructor, and at Irbid Private University as a lab administrator. Dr. Yaseen received his Bsc. and Msc. in Computer Science from Yarmouk

University and Jordan University of Science and Technology in 2002 and 2006 respectively. After getting the Ph.D degree in 2012, Dr. Yaseen worked at Yarmouk University for two years. In 2014, Dr. Yaseen joined Jordan University of Science and Technology. Currently, he is working on Cloud Security and trying to develop new approaches that protect information stored in the Cloud, especially in Cloud Relational Databases.