2016 International Workshop on Cloud Computing and Big Data

Call for Paper

July 24 - 27, 2016 at George Mason University, Fairfax, Virginia, USA
July 29 - 31, 2016 at Ryerson University, Toronto, Canada
Official website: www.stcenter.net/stc/2016IWCCBD

Organizers:
NSF Spatiotemporal Innovation Center (STC) at George Mason University, Harvard University and University of California, Santa Barbara
GIS and GeoCollaboration Lab (GGL) at Ryerson University
International Society for Photogrammetry and Remote Sensing (ISPRS)

Objectives

Both cloud computing and big data are emerging as two frontiers in the past few years. Cloud computing is being increasingly used to tackle big data problems. To capture the latest scientific and engineering advancements in the two fields, the International Workshop on Cloud Computing and Big Data (IWCCBD) is organized to a) explore and discuss the big data challenges in social and physical sciences; b) bring together professionals with different problems, backgrounds and expertise to address similar kinds of issues with common cloud computing platform and big data competencies; c) foster ideation supporting next generation cloud computing infrastructure solutions that integrate new spatiotemporal cloud computing tools and big data processing technologies for improved collective response to urgent, emergent, and wicked problems and events.

To reflect the international nature of big data and cloud computing, the workshop convenes July 24-27, 2016 at George Mason University, Fairfax, VA, USA, and July 29-31, 2016 at Ryerson University, Toronto, Canada. Participants can choose to attend either one or both. This call for participation engages experts from academia, industry, non-profit and government organizations across an ever-broadening spectrum of cloud computing and big data fields of application and research.

Theme

We invite thematic contributions including, but are not limited to:

- Applied big data methodologies and theory.
- Big Data processing, analysis and visualization using cloud computing.
- Mining and analyses methodologies to extract interesting principles/patterns from big data in various domains, such as economic, climate change, ocean and environmental science, disaster, security, and public health.
- New cloud computing hardware, software, and tools or the other cutting-edging computational technologies (e.g. GPU, MapReduce, HPC, and neural computing) utilizing the principles/patterns.
- Digital Earth, Public Health, Economics, Natural Disasters, and other applications of cloud computing and big data studies.

Submission Guidelines

Please submit an **extended abstract**, with a maximum length of 700 words, in word or pdf format to EasyChair (https://easychair.org/conferences/?conf=iwccbd2016) by **June 1, 2016**, including **research context, findings, and up to 3 references**, as well as the title, names and affiliations of all authors, contact information for the corresponding author, and indicate your choice of attending the workshop at Fairfax, VA, USA or Toronto, Canada, or both.

All submitted abstracts will be peer-reviewed by two experts before being accepted. An EI-indexed proceeding will be published at approximately the same time as the workshop. Depending on the quality of abstracts and presentations, selected submissions will be invited to submit a full paper to an international SCI journal.

Important Dates

- All abstract submission due: June 1, 2016
- Notification of abstract acceptance: June 10, 2016
- Early-bird registration: June 20, 2016 (Register for _GMU site_, or _Ryerson site_)
- Workshop dates: July 24 to 27 at GMU, Fairfax, VA, U.S and July 29 to 31, 2016 at Ryerson Univ., Toronto, Canada

If there is any question, please send email to stc@gmu.edu. Thank you for your interest.

Best regards,
Programming Committee of 2016 IWCCBD