

BigComp2016 - Schedule Overview

| TIME | Track 1 | Track 2 | Track 3 |
|--------------------|--|---|---|
| Day1: | January 18 (Monday), 2016 | | |
| 08:00 - 18:00 | Registration | | |
| 08:30 - 09:30 | Tutorial-1 (The Forum) | WS-2: WSTIE 2016 (Taipo Rooms I-II) | WS-3: Keynote Speech (Taipo Rooms III-IV) |
| 09:30 - 10:30 | | WS-1: BigData4Healthcare (Taipo Rooms I-II) | WS-3: Exobrain (Taipo Rooms III-IV) |
| 10:30 - 11:00 (CB) | | | |
| 11:00 - 12:30 | | | |
| 12:30 - 14:00 | Lunch (Bauhinia Room) | | |
| 14:00 - 15:00 | Tutorial-2 (The Forum) | WS-1: Keynote Speech (Taipo Rooms I-II) | WS-3: Exobrain (Taipo Rooms III-IV) |
| 15:00 - 16:00 | | WS-1: BigData4Healthcare (Taipo Rooms I-II) | |
| 16:00 - 16:30 (CB) | | | |
| 16:30 - 18:00 | | | |
| 18:00 - 18:30 | Break | | |
| 18:30 - 20:00 | Welcoming Reception (Bauhinia Room) | | |
| Day2: | January 19 (Tuesday), 2016 | | |
| 08:00 - 18:00 | Registration | | |
| 08:30 - 10:10 | Short Session-1 (oral) (The Forum) | Short Session-2 (oral) (Taipo Rooms I-II) | |
| 10:10 - 10:40 | Coffee Break | | |
| 10:40 - 11:00 | Opening (The Forum) | | |
| 11:00 - 12:30 | Keynote Speech-1 (The Forum) | | |
| 12:30 - 14:00 | Lunch (Bauhinia Room) | | |
| 14:00 - 15:30 | Poster Session-1 (The Forum) | Poster Session-2 (Taipo Rooms I-II) | Poster Session-3 (Taipo Rooms III-IV) |
| 15:30 - 16:00 | Coffee Break | | |
| 16:00 - 18:00 | Regular Session-1 (oral) (The Forum) | Regular Session-2 (oral) (Taipo Rooms I-II) | Regular Session-3 (oral) (Taipo Rooms III-IV) |
| 18:00 - 18:30 | Break | | |
| 18:30 - 20:00 | Banquet (Location to be announced) | | |
| Day3: | January 20 (Wednesday), 2016 | | |
| 08:00 - 18:00 | Registration | | |
| 09:00 - 10:30 | Keynote Speech-2 (The Forum) | | |
| 10:30 - 11:00 | Coffee Break | | |
| 11:00 - 12:30 | Regular Session-4 (oral) (The Forum) | Regular Session-5 (oral) (Taipo Rooms I-II) | Regular Session-6 (oral) (Taipo Rooms III-IV) |
| 12:30 - 14:00 | Lunch (Bauhinia Room) | | |
| 14:00 - 16:00 | Regular Session-7 (oral) (The Forum) | Regular Session-8 (oral) (Taipo Rooms I-II) | Regular Session-9 (oral) (Taipo Rooms III-IV) |
| 16:00 - 16:30 | Coffee Break | | |
| 16:30 - 17:50 | Panel Discussion (The Forum) | | |
| 17:50 - 18:00 | Closing (The Forum) | | |

BigComp2016

(Schedule for Regular Presentation)

Dear Authors,

The papers listed below are scheduled to be presented in the regular sessions, and here are the important instructions for preparing your presentation:

1. There will be nine regular sessions, divided into three tracks running in parallel as scheduled. Please check your time to present.
2. Each paper will be given 30 minutes for oral presentation (25 min. talk + 5 min. QA).
3. The presenters must bring a PPT (or PDF) file in a USB and submit to the session chair 10 minutes before the session starts.

Congratulations again, and we are looking forward to seeing you in Hong Kong soon.

Sincerely yours,

Ho-Jin Choi, Cyrus Shahabi, Xiaofang Zhou, Hong Gao

BigComp2016 Program Chairs

Day 2 – Tuesday, January 19, 2016

16:00-18:00, January 19 (Tuesday), 2016

Regular Session 1: Algorithms for Big Data (Chair: Hwan-Gue Cho, Pusan National University, Korea)

Robust and Scalable Matrix Completion

Yangyang Kang (SJTU)

Profiling Apache HIVE Query from Run Time Logs

Givanna Putri Haryono, and Ying Zhou (The University of Sydney)

A kNN Query Processing Algorithm using a Tree Index Structure on the Encrypted Database

Hyeong-Il Kim, Hyeong-Jin Kim, and Jae-Woo Chang (Jeonbuk National University)

An Eigenvalue-based Pivot Selection Strategy for Improving Search Efficiency in Metric Spaces

Sung-Hwan Kim, Da-Young Lee, and Hwan-Gue Cho (Pusan National University)

Regular Session 2: Knowledge Discovery Techniques and Applications (Chair: Yu-Jen Lin, Academia Sinica, Taiwan)

PANDA: A Platform for Academic Knowledge Discovery and Acquisition

Zhaoan Dong, Jiaheng Lu (Renmin University of China), and Tok Wang Ling (National University of Singapore)

Predicting Popularity of Articles on Bulletin Board System

Yu-Jen Lin (Academia Sinica), Fang-Yi Chiu (National Taiwan University), Mi-Yen Yeh (Academia Sinica), Ya-Hui Chan, and Chia-Chi Wu (Institute for Information Industry)

A Semantic Search Technique with Wikipedia-based Text Representation Model

Ki-Joo Hong, and Han-Joon Kim (University of Seoul)

Affix Modification-based Bilingual Pivoting Method for Paraphrase Extraction in Agglutinative Languages

Hancheol Park, Gahgene Gweon (KAIST), and Jeong Heo (ETRI)

Regular Session 3: Data Technologies in Networks (Chair: Jaesoo Yoo, Chungbuk National University, Korea)

A Hierarchical Model for Real-time Massive Reaction Visualization based on Anatomical Semantics

Dongeon Lee, Hyungseok Kim, and Mingyu Lim (Konkuk University)

A Multiple RSU Scheduling for V2I-based Data Services

Kyoungsoo Bok, Jongtae Lim, Seungwan Hong, and Jaesoo Yoo (Chungbuk National University)

Traffic Flow based Road-Side Unit Allocation Strategy for VANET

Jeonghee Chi, Sunyoung Do, and Soyung Park (Konkuk University)

Distributed Power and Channel Allocation for Cognitive Femtocell Network using a Coalitional Game Approach

Tuan Leanh, Nguyen Hoang Tran, and Hong Choong Seon (Kyung Hee University)

Day 3 – Wednesday, January 20, 2016

11:00-12:30, January 20 (Wednesday), 2016

Regular Session 4: Data Mining and Machine Learning for Big Data (Chair: Yong-Guk Kim, Sejong University, Korea)

Data Mining in Intelligent SSD: Simulator-Based Evaluation

Yong-Yong Jo, Moonjun Chung, Sang-Wook Kim, and Hyunok Oh (Hanyang University)

Top-k High Utility Itemset Mining Based on Utility-List Structures

Serin Lee, and Jong Soo Park (Sungshin Women's University)

Real-time categorization of driver's gaze zone using the deep learning techniques

In-Ho Choi, Sung Kyung Hong, and Yong-Guk Kim (Sejong University)

Regular Session 5: Emotion and Sentiment Analysis (Chair: Haoran Xie, Caritas

Institute of Higher Education, Hong Kong)

Enhancing Portfolio Return based on Market-sentiment Linked Topics

Victor Chu, Raymond Wong (University of New South Wales), Fang Chen (NICTA), Ivan Ho, and Joe Lee (Novel Approach Limited)

Weighted Multi-label Classification Model for Sentiment Analysis of Online News

Xin Li (Sun Yat-Sen University), Haoran Xie (Caritas Institute of Higher Education), Yanghui Rao, Yanjia Chen, Xuebo Liu, Huan Huang (Sun Yat-Sen University), and Fu Lee Wang (Caritas Institute of Higher Education)

Identifying Depressive Users in Twitter Using Multimodal Analysis

Keumhee Kang, Chanhee Yoon, and Eunyi Kim (Konkuk University)

Regular Session 6: Big Data Analytics for Social Networks (Chair: Wenhao Gao, University of Science and Technology of China, China)

FinaVistory: Using Narrative Visualization to Explain Social and Economic Relationships in Financial News

Yeuk-Yin Chan, and Huamin Qu (The Hong Kong University of Science and Technology)

Evolutionary Community Discovery in Dynamic Networks Based on Leader Nodes

Wenhao Gao, Wenjian Luo, and Chenyang Bu (University of Science and Technology of China)

Veracity of Information in Twitter Data: A Case Study

Ashwin Kumar Thandapani Kumarasamy, Prashanth Kammarpally, and K.M. George (Oklahoma State University)

14:00-16:00, January 20 (Wednesday), 2016

Regular Session 7: Search and Information Retrieval (Chair: Junli Lu, Yunnan University, China)

A Novel Method on Incremental Mining of Spatial Co-locations

Junli Lu, Lizhen Wang, Yuan Fang, and Xuguang Bao (Yunnan University)

Dynamic Patent Retrieval with Inverse Patent Category Frequency Model

Justin Jongsu Song, Wookey Lee, and Jafar Afshar (Inha University)

Semantic Image Retrieval Using Correspondence Topic Model with Background Distribution

Nguyen Anh Tu, Jinsung Cho, and Young-Koo Lee (Kyung Hee University)

Hot Topic Detection and Technology Trend Tracking for Patents utilizing Term Frequency and Proportional Document Frequency and Semantic Information

Khanh-Ly Nguyen, Byung-Joo Shin, and Seong Joon Yoo (Sejong University)

Regular Session 8: Multimedia Processing for Big Geometry Data (Chair: Eunyi Kim, Konkuk University, Korea)

Recursive Motion Smoothing for Online Video Stabilization in Wide-Area Surveillance

Ahmed Abdelli (KAIST)

Geometry Representations with Unsupervised Feature Learning

Yeo-Jin Yoon (Sejong University), Alexander Lelidis (TU Berlin), A. Cengiz Oztireli (ETH Zurich), Jung-Min Hwang (Sejong University), Markus Gross (ETH Zurich), and Soo-Mi Choi (Sejong University)

Highway Traffic Flow Prediction using Support Vector Regression and Bayesian Classifier

Jinyoung Ahn, Eunjeong Go, and Eunyi Kim (Konkuk University)

Regular Session 9: Hardware/Software Infrastructure for Big Data (Chair: Young-Koo Lee, Kyung Hee University, Korea)

A MapReduce Framework to Improve Template Matching Uncertainty

Nicholas Napoli, Kevin Leach, Laura Barnes, and Westley Weimer (University of Virginia)

Improving Vulnerability Prediction Accuracy with Secure Coding Standard Violation Measures

Joonseok Yang (LG Electronics), Duksan Ryu, and Jongmoon Baik (KAIST)

Live Migration Destination Selecting Method for Disaster Recovery on e-Learning Environment

Satoshi Togawa (Shikoku University), and Kazuhide Kanenishi (The University of Tokushima)

Exploiting CPU Parallelism for Triangle Listing using Hybrid Summarized Bit Batch Vector

Mostofa Kamal Rasel, and Young-Koo Lee (Kyung Hee University)