

ACM ICS HIDEDEC2018 Workshop Program

TUESDAY, 12 June 2018 Beijing, CHINA

<http://cloud.hdu.edu.cn/hidec2018/>

Note:

1. Each paper has 20 min: 15 min for presentation and 5 min for Q&A.
2. Hotel: International Convention Center, Beichen East Road, Chaoyang District, Beijing 100101
3. Location: 311A Hall

ACM ICS HIDEDEC 2018 Workshop Program Details

13:30--15:30 PM

Session 1: Systems Aspects of HPC Supported Big Data Analytics on Edge Computing

Session Chair: Dr. Congfeng Jiang, Hangzhou Dianzi University, CHINA

Diverse Demands Estimation and Ranking Based on User Behaviors

Liandong Chen, Shigang Li, Fang Liu, Rui Xu, Shuo Li and Jue Wang

State Grid Hebei Electric Power Company; Chinese Academy of Science

A Deep Learning based Objection Detection Method for High Resolution Remote Sensing Image

Hailei Wang, Wenbo Li, Yifang Chang, Xuelian Wu

Chinese Academy of Sciences

Energy Aware Edge Computing: A Survey

Tiantian Fan, Yeliang Qiu, Youhuizi Li, Congfeng Jiang, Jian Wan

Hangzhou Dianzi University; Zhejiang University of Science and Technology

Cloud Computing Based Big Data Analytics for Hydroecology Quality Monitoring

Jianyong Hu, Feng Xie, Dongjing Huang, Dongfeng Li

Zhejiang University of Water Resources and Electric Power

Scale-out vs. Scale-up: Towards Building a Cost-Efficient Data Processing System in Clouds

Wei Huang, Congfeng Jiang, Zujie Ren and Jian Wan

Hangzhou Dianzi University; Zhejiang University of Science and Technology

GPU Based Parallel Remote Sensing Image Processing

Yinghui Zhao, Ru An

Hohai University; Zhejiang Tongji Vocational College of Science and Technology

15:30--15:45 PM Coffee Break

15:45--18:35 PM

Session 2 : Case Studies and Applications of HPC Supported Data Analytics for Edge Computing

Session Chair: Dr. Congfeng Jiang, Hangzhou Dianzi University, CHINA

A Case Study for User Rating Prediction on Automobile Recommendation System Using MapReduce

Zikai Nie, Jiao Sun and Zhehua He

National University of Defense Technology; Tsinghua University; Jilin University

Exploring water resource changes of artificial reservoir using time-series remote sensing images from Landsat sensors and in situ data

Wenbo Li, Yifang Chang, Hailei Wang, Xuelian Wu

Chinese Academy of Sciences

A Taxonomy on Computation Offloading in Edge Computing

Xiaolan Cheng, Xin Zhou, Zujie Ren, Congfeng Jiang

Hangzhou Dianzi University

Edge and Cloud Computing Based Big Data Analytics for Coastal Land Reclamation Evolution

Yinghui Zhao, Ru An

Hohai University, Zhejiang Tongji Vocational College of Science and Technology

An Edge Computing Platform for Intelligent Internet Data Center Operation Monitoring

Yeliang Qiu, Mingzhan Wang, Xinyu Lu, Congfeng Jiang, Xukun Yu

Hangzhou Dianzi University

A Classification Aggregation Storage Strategy for Massive Sensors Data in CPS

Jilin Zhang, Jiali Geng, Jian Wan, Yifan Zhang, Mingwei Li, Jue Wang

Hangzhou Dianzi University, Zhejiang University of Science and Technology, Chinese Academy of Science;

Big Data Analytics for Water Resources Sustainability Evaluation

Yinghui Zhao, Jiangping Cai

Zhejiang Tongji Vocational College of Science and Technology, Hangzhou Dianzi University

Hadoop Based PDF Documents Mining and Analysis

Junming Liu, Yannuan Li, Congfeng Jiang

Zhejiang Electronic Port Inc., Ltd., Hangzhou Dianzi University