

## BIG DATA ANALYTICS: FROM MOBILE GPU TO SUPERCOMPUTING

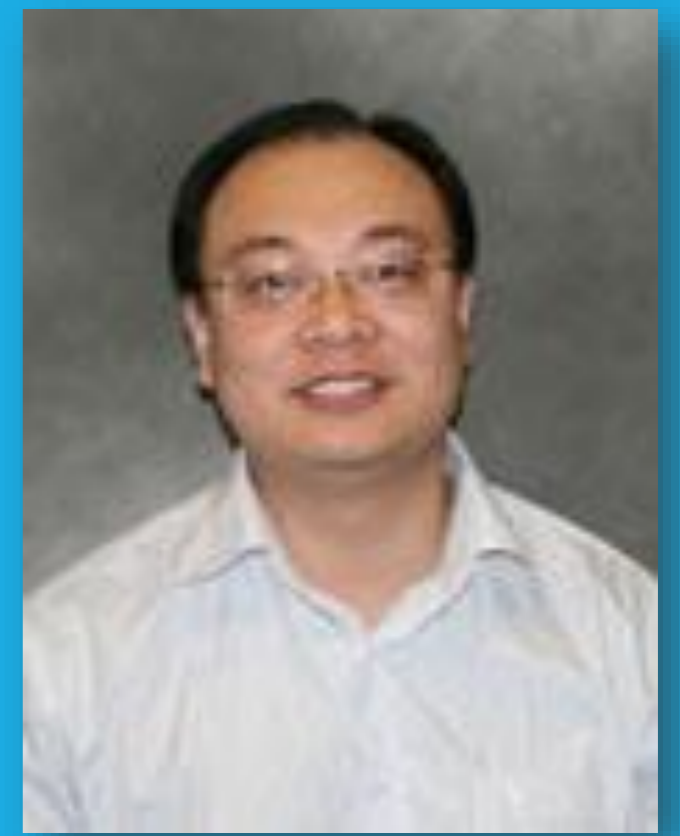
**Prof. Di Zhao**

Supercomputing Center

Chinese Academy of Sciences

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**ABSTRACT:** Big Data Analytics often refers to the use of predictive analytics to extract valuable information from large-scale datasets such as image data and video data, and big data analytics is performed on the platform from mobile GPU to GPU supercomputers and cloud computing. In this talk, we will introduce our works of big data analytics through GPU computing, which includes image and video processing and analysis on mobile GPU system NVIDIA Tegra K1, as well as image and video data analytics on supercomputers with hundreds of GPUs. Also, we will discuss the research and training plan of GPU computing for big data analytics.

**BIOGRAPHY:** Dr. Zhao obtained his PhD of Computational Analysis and Modeling from Louisiana Tech University from 2005 to 2010. From 2010 to 2014, Dr. Zhao did his postdoc in Columbia University and The Ohio State University. Currently, Dr. Zhao is Associate Professor at Computer Network Information Center, Chinese Academy of Sciences. Dr. Zhao's research interests include parallel algorithm and GPU computing. Dr. Zhao is Principal Investigator of CAS-NVIDIA GPU Research Center and CAS-NVIDIA GPU Education Center, and Section Editor of Annals of Multicore and GPU Programming. Dr. Zhao obtained awards, journal publications and conference publications in the field of GPU computing, and more information can be found from his website:

<http://www.advancedcomputing.cn/>

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