



# YUTONG LU

Professor Yutong Lu is the Director of National Supercomputing Center in Guangzhou, China. She is the professor in School of Computer Science, Sun Yat-sen University as well as in National University of Defense Technology (NUDT). She got her B.S, M.S, and PhD degrees from the NUDT. Her extensive research and development experience has spanned several generations of domestic supercomputers in China. Prof. Lu is deputy chief designer of Tianhe Project. She had won first class award and outstanding award of Chinese national science and technology progress in 2009 and 2014 respectively. She is leading several innovation projects on HPC and Bigdata supported by MOST, NSFC and Guangdong Province now. Her continuing research interests include parallel operating systems (OS), high-speed communication, large scale file system& data management, advanced programming environment & applications.



## TH-Starlight: HPC on Cloud



The HPC applications expanded from traditional fields of global environment change, materials, high energy physics to emerging fields of life science, economy, IoT, and social development. The model of using supercomputers are changed, the way of accessing supercomputers are variable. To fulfill the various requirements, we need to design and implement capable platform for availability and usability of multi-domain applications. This talk will discuss the technologies of HPC on Cloud and share some application cases on Tianhe Starlight platform.

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