



# 北京大学海外名家讲学计划

## THE NEW PROGRESS OF SUPERCOMPUTERS IN CHINA AND THE CHALLENGES OF THE APPLICATIONS

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**BIOGRAPHY:** Zuoning Chen is a renowned computer system and software expert. She was elected the member of Chinese Academy of Engineering in 2001, and serve as the vice president of Chinese Academy of Engineering since 2014.

She has committed her career to the development of Chinese computer system software and high performance computer system. She has participated or led multiple important national projects, and is one of the leaders in China in the filed of system software and computer architecture. She has made significant contribution to the development of Chinese computer system and localization of key computer software and hardware. She is the principle investigator on the China's first parallel operating system that meets the international industry standard. She is well-known for "multiple virtual space and mapping", a new hierarchical architecture for parallel operating system, which successfully resolved the contradiction between efficiency and scalability.

She has led the development of domestic high-performance CPU and its full stack system software. She received many recognitions, including the highest prize of the National Science and Technology Progress for two times.

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