



## Chip Recent Progress and Future Development at New Age of Big-data Combining AI and Chip

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### Abstract:

Chips are ubiquitous, and AI seems omnipotent. Where are these chips? Where is this AI? Which is more powerful? This report will share the recent chip technology progress, such as the advanced CPU, GPU, AI chip, the most power data centre, and the possible technology roadmap. More important, from the present challenges and dilemma of various chip kinds, demonstrate the photo chip great potential and advantages.

### Biography:

Professor He Jin's is the full professor from Peking University, and the director of PKU Shenzhen System-on-Chip Key Lab. His primary research focuses on chip technology and EDA. He completed BSIM4.3.0, which accelerated society's entry into the nano-chip era, and BSIM-FinFET, which propelled the transition to the digital-intelligent chip era. He founded the "Youth China Chip Project" and proposed the "Chip-Intelligence Education" concept, a program that has now been implemented in over 100 primary and secondary schools across China.