

# The Application and Exploration of AI in Digital Education

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## Abstract

With the arrival of the AI era, digitalization in higher education is picking up speed, broadening its scope and deepening its impact. Tsinghua University is at the forefront of this transformation, actively incorporating AI into its educational and teaching framework. In the autumn of 2023, the university launched a pilot project involving eight courses. This initiative includes a course managed by a dedicated team that has been delving into the practical applications of AI in the classroom. There is an eagerness to engage with fellow educators in a dialogue about the exciting opportunities and formidable challenges that the AI era brings to pedagogy and academic instruction.



**Hong Wang** began her teaching career at Tsinghua University in 1995 and has continued to this day. In 2004, she had the opportunity to work as a visiting scholar at the Massachusetts Institute of Technology (MIT).

Her research is focused on the reliability design and fault diagnosis of electronic circuit systems. Pro. Wang has been honored with prizes for the Military Scientific and Technological Progress Award (Class I/II/ III).

Pro. Wang has also received the National Textbook Construction Award(Class II), the National Teaching Achievements(ClassII), the Teaching Achievements in Beijing(Class I), the Baogang Outstanding Teacher Award, and the Fok Ying-Tung Young Teacher Award, among other accolades.