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China to build AI-based research centre for improving public health

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The new research centre will create a personalized health management system



The Institute for AI Industry Research,Tsinghua University (AIR) and the Beijing Academy of Artificial Intelligence (BAAI) in China have announced that they would be building a research centre on the coordinated development of all sectors in the health industry with the help of artificial intelligence.

The move aims to create a new pattern featuring early prediction, active prevention, personalization and active participation, and to offer more intelligent personal health management and more effective public health governance.

Wei-Ying Ma, Chief Scientist / Huiyan Chair Professor at AIR is appointed director of the centre.

The new research centre will create a personalized health management system for individuals, connect software with intelligent hardware through a healthy diet and lifestyle, and build an "AI + health" management ecosystem that covers scientific research, technical breakthroughs, platform construction, product development and business incubation.

Through a multimodal neural symbol AI, combined with correlation, attention mechanisms and causality, the centre will enable different expressions and models to be trained and learned from each other.

Meanwhile, it will combine cutting-edge AI technology, such as in confrontation, collaboration, multi-modality, multi-tasking, migration learning and federal learning, to maximize the huge potential of personal health data, give full play to the collaborative ability of health data, and build a platform for active, personalized and intelligent health applications.