

## **Guiding AI to benefit humanity and the environment**

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AI is not new, in past 60 years it has experienced arduous and tortuous development. In recent years, with the help of Internet, Big Data and Cloud Computing and new models of machine learning AI has made significant breakthroughs in image and speech recognition, in dialog with human partners, in translation between different languages, in intelligent monitoring and controlling, and so forth. Although AI is still facing many technical bottlenecks such as the over-dependency of data scale and quality, the lack of the transferrable capability and cross-media sensing ability, the lack of effective mechanisms of crowd and human-machine mutual enhanced intelligences, etc, today's AI has already been going out of papers and laboratories, it is merging into our living and working scenarios, as well as into engineering projects. Realized that AI is a very important emerging productive force, governments are urgently making its national strategic plan of AI development.

However, there are big concerns of the public worldwide to the security of using AI, it is asked – is AI a wolf or a dog? To ensure AI to be good for people, worldwide collective efforts have to be made on establishing consensus on AI ethics, and setting principles, rules, policies and laws to implement the ethical requirements, furthermore, standards are needed to ensure the principles are effectively embedded into AI systems and could be tested and verified. Last but not the least is educating people, who design, manufacturing, selling and using AI, how to responsible conduct with AI.