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Title and abstract of the talk：

Cyborg Intelligence

Advances in multidisciplinary fields such as brain-machine interfaces, artificial intelligence, and computational neuroscience, signal a growing convergence between machines and biological beings. Especially, brain-machine interfaces enable a direct communication pathway between the brain and machines. It promotes the brain-in-loop computational paradigm which integrates biological and artificial intelligence. A biological-machine system consisting of both organic and computing components is emerging, which we called *cyborg intelligence*. This talk will introduce the concept, architectures, and applications of cyborg intelligence. It will also discuss issues and challenges.