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Bio

He is currently a full professor and director of the Center for Cybernics Research, University of Tsukuba. He received the Ph.D. in Pure and Applied Physics from Waseda University in 2003. A special emphasis is laid on the technology for empowering people. In 2018, he launched a startup company, PLIMES Inc, in order to transfer medical & healthcare technologies to society. He was a visiting researcher at the University of Genoa, Italy, and also at the College de France, Paris. He is administrative committee member of the IEEE Robotics and Automation Society.

Description

Wearable robots and AI/IoH technologies for future society.

We are trying to redesign the future society where the assisted lifestyles for independent individuals will become widely available. In this talk, several wearable robot and AI/IoH technology will be introduced; (i) A novel personal mobility vehicle for people with disabled lower limbs, (ii) wearable device for measuring swallowing activities to prevent the aspiration pneumonia. (iii) wearables for children with autism spectrum disorder by using biosignals.