

Keynote Address:

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'Towards Soft and Intelligent Humanoid'

Abstract

Recent progress of humanoid research seems to open new horizon not only for robotics research itself but also new means for scientific study of human and various applications in the human life. Practically, robots of the future will be strongly expected to work alongside humans to support our everyday life as home robots or personal robots. In order to assure their safety and affinity, the physical softness of machines as well as intelligent behaviour must be greatly improved. In this talk, the author will introduce some of the challenges toward soft and intelligent humanoid, in three parts as key components, intelligent mechatronic artefacts, and R&D project on humanoid.