

Studies on Humanoids and Androids

Abstract

The author has been developed various humanoids and androids so far. These robots will be practical system with two systems: one is a sensor network for supporting the robot perception and the other is a tele-operation function that compensates the bottle neck in AI. In addition to the practical uses, these robots can be considered as references to understand what human is. This talk will discuss on the both aspect of the new research approaches in robotics.

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[Geminoid: ATR Intelligent Robots and Communications Laboratories]

He received D.Eng. degree from Osaka University in 1991. In 1991, he started working as a research assistant of Department of Electrical Engineering and Computer Science, Yamanashi University. Then, he moved to Department of Systems Engineering, Osaka University, Japan, as a research assistant in 1992. In 1994, he was an associate professor of Department of Information Science, Kyoto University, Japan, and started research of distributed vision using omnidirectional cameras. From 1998 to 1999, he worked in Department of Electrical and Computer Engineering, University of California, San Diego, as a visiting scholar. From 1999, he is a visiting researcher in ATR Media Information Science Laboratories and he has developed interactive humanoid robots,

Robovie. In 2000, he moved to Department of Computer and Communication Sciences, Wakayama University, as an associate professor and then he became a professor in 2001. Now he is a professor of Department of Adaptive Machine Systems, Osaka University, and a group leader of ATR Intelligent Robotics and Communication laboratories. His current interests are interactive robots, android robots and perceptual information infrastructure.

Selected papers (10 of 70 journal papers and 150 conference papers)

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