

Soft Humanoid Robots

Talk by Prof. Koh Hosoda, TUM Visiting Professor

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Room: 2026, Chair for Cognitive Systems, Karlstr. 45/ second floor

A human can exhibit intelligent behavior. Yet, we do not completely understand the mechanism how the behavior emerges. Adaptive behavior is obviously generated by the brain, but brain alone cannot explain everything. Key components are soft tissue, muscles, bones, and skin.

This talk will introduce our challenges to build soft humanoid robots consisting of muscles, bones, and skin so that we can constructively understand the human's adaptive intelligence.

Biography:

Koh Hosoda received his Ph.D. degree in Mechanical Engineering from Kyoto University, Japan in 1993. He was an assistant professor of Mechanical Engineering Department from 1993 to 1997, and an associate professor of Graduate School of Engineering from 1997 to 2010, at Osaka University. He was a guest professor in Artificial Intelligence Laboratory, University of Zurich from Apr. 1998 to Mar. 1999. He was a group leader of JST Asada ERATO Project from 2005 to 2010. From 2010 to 2014, he was a professor of Graduate School of Information Science and Technology, Osaka University. Since 2014, he has been a professor of Graduate School of Engineering Science, Osaka University.

