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Biomechanics-based Variable Damping Controller for Enhanced Physical Human Robot Interaction

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Bio

Hyunglae Lee is an assistant professor of aerospace and mechanical engineering in the School for Engineering of Matter, Transport and Energy at Arizona State University. He directs the Neuromuscular Control and Human Robotics Laboratory at ASU. Lee's research interests include physical human-robot interaction, neuromuscular control of human movement, robot-aided neurorehabilitation, bio-inspired robotics and system identification for physiological systems.

Lee received his doctorate in mechanical engineering from Massachusetts Institute of Technology under the supervision of Professor Neville Hogan. Then, he worked as a postdoctoral fellow at the Sensory Motor Performance Program, Rehabilitation Institute of Chicago. Previously, Lee also worked at Korea Institute of Science and Technology and LG Electronics. He was a recipient of a Samsung Scholarship.

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