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HAPTIC INTERACTION FOR HUMAN-CENTERED ROBOTICS

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Relatori

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Abstract

In the last 20 years, robotics has evolved from focusing solely on the study of mechatronic systems to becoming a highly interdisciplinary field. A notable example of this shift is the emergence of human-centered robotics. In this context, establishing effective bidirectional communication between humans and robots is essential to ensure safe and seamless collaboration. This lecture will focus on haptic interaction which, whether direct or mediated by advanced interfaces, can play a fundamental role in creating new communication paradigms for connecting us to the robots of the future.