東京大学グローバルCOEプログラム　機械システム・イノベーション国際拠点

東京大学 THE UNIVERSITY OF TOKYO

GMSI Global Center of Excellence for Mechanical Systems Innovation

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Haptics Technologies & Applications

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会場：東京大学工学部2号館 3F 31A会議室

要旨

Haptics is an emerging technology that involves transmitting information through the sense of touch. This hands-on form of interaction is performed by using small actuated interfaces called haptic devices that apply forces, vibrations, and/or motions to the user. In recent years the technologies of haptics have been integrated into many new applications ranging from gaming devices in the field of computer animation to advanced interfaces for intuitively operating surgical robot systems.

This talk will present recent hardware design methodologies and algorithms developed for simulating the sense of touch, and address the computational challenges associated with the real-time requirements for haptic simulation. The presentation will conclude with live hands-on demonstrations that illustrate the usage of haptics technologies in various application areas.

主催：　東京大学グローバルCOEプログラム「機械システム・イノベーション国際拠点」

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