香港浸會大學
HONG KONG BAPTIST UNIVERSITY

DEPARTMENT OF
COMPUTER SCIENCE
計算機科學系

DEPARTMENT OF COMPUTER SCIENCE

SEMINAR

2024 SERIES

The Emergence of Human-Like Virtual Humans

DATE & TIME
25 APR 2024 (THU) 4:30 - 5:30 PM

VENUE
Cheung Ching Lan Diana Memorial Lecture Theatre (WLB204), Shaw Campus

PROF. TAKU KOMURA

Professor
Department of Computer Science
Faculty of Engineering
The University of Hong Kong

ABSTRACT

Human communication and interaction involve much more than just speech. Body gestures, facial expressions, locomotion, and physical contact all play a role in our daily interactions. As technology advances, it becomes increasingly possible to simulate these multimodal interactions, creating virtual humans that can behave like real humans. In this talk, we will explore the challenges of creating such virtual humans and discuss our efforts to overcome them. We will showcase our technology for synthesising human facial expressions and body gestures from speech, as well as animating characters that can move and walk. Additionally, I will present our latest development in animating realistic garments in response to the character's body motion using physics-based animation.

SPEAKER'S BIOGRAPHY

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