

DEPARTMENT OF COMPUTER SCIENCE

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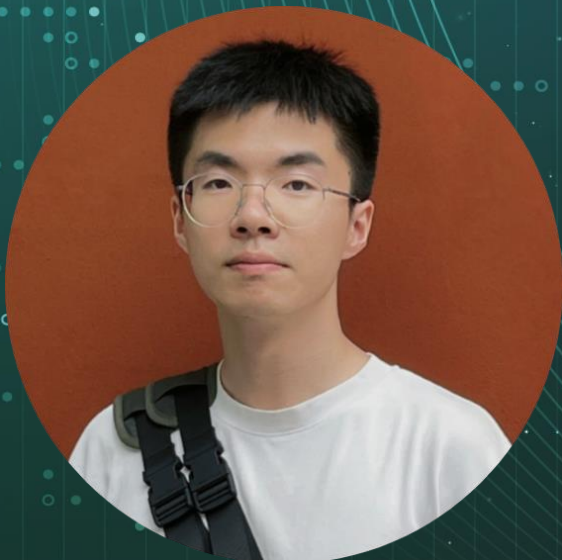
# Decoding Your Body with Ubiquitous Sensing: Wearable and Contactless Perception for Health and Interaction

## DATE & TIME

23 MAR 2026 (MON) 2:00 - 3:00 PM

## VENUE

WLB211, 2/F, WING LUNG BUILDING, SHAW CAMPUS



## DR. WENTAO XIE

Research Assistant Professor  
Department of Electrical Engineering and Computer Science  
The Hong Kong University of Science and Technology

### ABSTRACT

Understanding human behavior is fundamental to applications such as healthcare, entertainment, and human-computer interaction (HCI). However, many current human sensing approaches rely on specialized or cumbersome instrumentation, limiting their scalability and real-world utility. In this talk, I will present our recent research in ubiquitous sensing designed to overcome these barriers. I will demonstrate how we leverage seamless sensors and efficient AI models to transform everyday objects—ranging from smartphones and earphones to the human skin—into "smart platforms" capable of capturing complex behaviors and hidden physiological states. Specifically, I will highlight our work in: (i) enabling closed-loop, home-based respiratory health management and (ii) creating extended interaction spaces on unmodified wearable devices.



SPEAKER'S  
BIOGRAPHY



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