**專 題 演 講**

講 者： 蔡子傑 教授 (政治大學資訊科學系)

題目： A new interactive art performance using wearable sensors

摘要：

With wearable computing a new art form is evolving not only for artistic performances but now you can also interact with live digital performance content. Integrated with AR/VR (Augmented Reality/Virtual Reality) technologies, the future art performance will link with virtual characters. In this way the future artistic work may no longer be presented only on a stage, theater, or concert hall. We will present our idea on how to combine wearable sensors with art performances. We designed the WISE (Wearable Item Service runtimE) platform to fulfill the new digital art styles. While wearing the sensors, skeleton (posture) information is delivered in real-time to WISE to render animations displayed on the screen or wearable glasses. This performance can be performed anywhere because it can be quickly deployed and supports improvisation. Furthermore, the performers can be at difference locations, and the output animation content can be virtually interactive using our WISE platform. We executed several field performance and attendance experiences to validate the idea and obtain feedback. We believe this will become a new digital art fashion.