

## **Statistical Methods for Brain Signal Analysis**

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**1:30PM-2:50PM**

**Li Ka Shing Center, Room:130**

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### **Abstract:**

This talk will present two statistical methods for analyzing brain signal data. In the first application, we introduce a technique for extracting dynamic functional connectivity from MEG data, aimed at enhancing early screening for Alzheimer's disease. In the second application, we describe a deep learning framework designed to detect waveform abnormalities in EEG and MEG data to support epilepsy diagnosis.