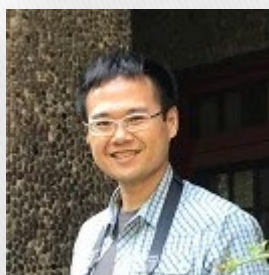


# 2025年度第8回応用分析化学セミナー The 8<sup>th</sup> Applied Analytical Chemistry Seminar (The 82<sup>nd</sup> CMS International Seminar)

## Delicate Chemical Environment Controls in Sensing Device Designs: from the Interface Point-of-View



Prof. Wei-Ssu Liao  
Department of Chemistry  
National Taiwan University

September 1<sup>st</sup> (Mon), 2025, 15:00-16:00  
Room 315, West 4 building-3F

Sensing devices are pivotal tools and their designs have experienced notable advancements in recent years. The main task in these approaches is to enhance operational efficiency, cut costs, and bolster security across diverse fields. In this talk, I will highlight the significance of managing the interface chemical environment in sensor designs. Controls over the interface environment not only decides the capability of sensors but also opens avenues for next-generation device fabrication and integration. Several unique functional device examples will be used to illustrate the importance of this issue, and a comprehensive roadmap of this research area, its challenges and potential solutions, and prospective opportunities will be discussed.

### Free admission

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