

高亮度同步輻射光源於新穎材料開發與結構分析之研究契機

The Emergent Opportunity for Structural Analysis on Novel Materials by High Brilliance Synchrotron Light Sources

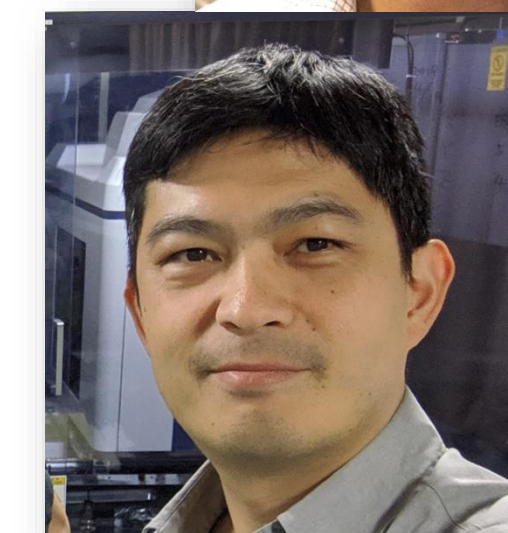
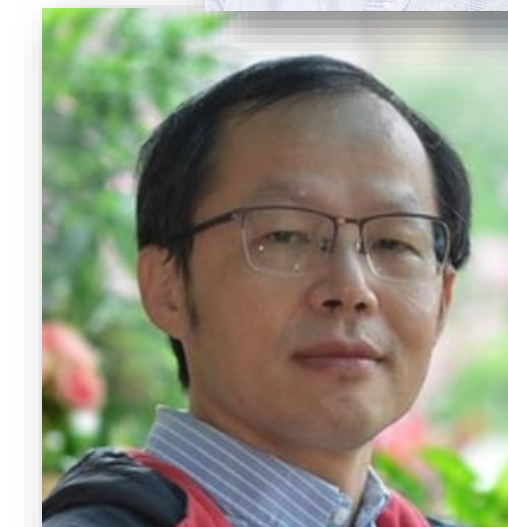
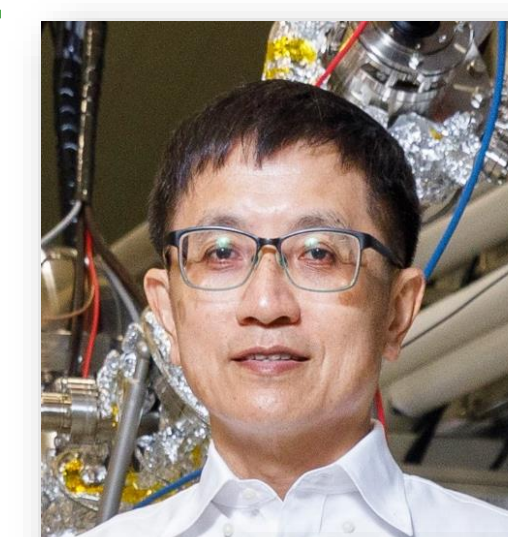
Date: January 16 (Thu.), 2025

Venue: SC3001 (理學院 3F), NSYSU (國立中山大學)

Session A (09:00 – 10:35)

Chair: Yu-Chun Chuang (莊裕鈞), NSRRC

- 09:00 - 09:05 **Opening Remarks**
Der-Hsin Wei (魏德新), NSRRC
- [A1] 09:05 - 09:30 **My Neutron Scattering Journey to Quantum Magnetic Materials in Japan**
Hung-Cheng Wu (吳紘丞), NSYSU
- [A2] 09:30 - 09:55 **Crystal Structure Determination from Powder X-ray Diffraction Data on the Spin Transition Compounds**
I-Jui Hsu (許益瑞), NTUT
- [A3] 09:55 - 10:10 **Comprehensive Structural Insights from Dual-Space Synchrotron High-Resolution Powder Diffraction and Pair Distribution Function Analysis**
Yu-Chun Chuang (莊裕鈞), NSRRC
- [A4] 10:10 - 10:35 **Quantifying Structure Dynamics and Distortions - Symmetry-Adapted Analysis and HRPD**
Wei-Tin Chen (陳威廷), NTU
- 10:35 - 10:50 **Break (15 mins)**



Session B (10:50 – 11:50)

Chair: Tzu-Hung Chuang (莊子弘), NSRRC

- [B1] 10:50 - 11:15 **Study of the Electronic Ordering of Quantum Materials using Synchrotron X-ray Scattering**
Chao-Hung Du (杜昭宏), TKU
- [B2] 11:15 - 11:30 **High-Resolution X-ray Scattering for Probing the Static and Dynamic Structure of Matter**
Shih-Chang Weng (翁世璋), NSRRC
- [B3] 11:30 - 11:45 **Novel Optical Phenomena of GIXBD and Its Applications**
Mau-Tsu Tang (湯茂竹), NSRRC
- 11:45 - 11:50 **Closing Remarks**

