

Workshop I : XAS-XMCD of Novel Materials

Chairs: Ashish Atma Chainani (查里) & Hong-Ji Lin (林宏基)

October 26 (Thursday)

Place:D260

08:30 Registration -@Activity Center (Entrance 5)

09:00 **Workshop Opening Remarks**

Chia-Hao Chen (陳家浩), NSRRC (國家同步輻射研究中心)

Session Chair: Chainani Ashish

09:10 I1 **Coupling between Spin and Lattice in an XY-like Spin-glass
(Ni_{0.40}Mn_{0.60})TiO₃**

Way-Faung Pong (彭維鋒), Tamkang Univ. (淡江大學)

09:40 I2 **Unraveling the Electronic, Magnetic and Magneto-Optical Attributes of
Epitaxial Cr₂Te₃ Films for Advanced Spintronic and Opto-Spintronic
Innovations**

Jung-Chun Andrew Huang (黃榮俊), National Cheng Kung Univ. (國立成功大學)

10:10 I3 **The Magnetic Properties in High Entropy Materials**

Ying-Hao Chu (朱英豪), National Tsing Hua Univ. (國立清華大學)

10:40 Coffee Break

Session Chair: Chia-Hao Chen (陳家浩)

11:00 I4 **Perpendicular Magnetic Anisotropy Induced by Antiferromagnetic Thin
Films**

Bo-Yao Wang (王柏堯), National Changhua Univ. of Education (國立彰化師範大學)

11:30 I5 **Soft X-ray Characterization of Electrochemical Interfaces**

Yan-Gu Lin (林彥谷), NSRRC (國家同步輻射研究中心)

12:00 I6 **Using XAS/XMCD to Solve Critical Problems in Semiconductor and
Spintronic Materials**

Yuan-Chieh Tseng (曾院介), National Yang Ming Chiao Tung Univ. (國立陽明交通大學)

12:30 Lunch

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- 13:30 I7 **Field-free SOT-MRAM: Recent Progress and Challenges**
Chi-Feng Pai (白奇峰), National Taiwan Univ. (國立臺灣大學)
- 14:00 I8 **Emerging Spin-to-charge Conversion Phenomena: Puzzles & Solutions**
Ssu-Yen Huang (黃斯衍), National Taiwan Univ. (國立臺灣大學)
- 14:30 I9 **Unconventional Spin Current Generation in Magnetic Materials**
Danru Qu (曲丹茹), National Taiwan Univ. (國立臺灣大學)

15:00 Coffee Break

Session Chair: Hong-Ji Lin (林宏基)

- 15:20 I10 **Probing Materials by Soft X-ray Absorption Spectroscopies**
Yi-Ying Chin (秦伊瑩), National Chung Cheng Univ. (國立中正大學)
- 15:50 I11 **Capabilities of the Photoelectron Momentum Microscope with Imaging Spin Filter at TPS 27A2**
Tzu-Hung Chuang (莊子弘), NSRRC (國家同步輻射研究中心)
- 16:20 I12 **Introducing the Conceptual Design of TPS 33A Beamline**
Wen-Bin Wu (吳文斌), NSRRC (國家同步輻射研究中心)
- 16:50 **Discussion & Closing Remarks**
Ashish Atma Chainani (查里), NSRRC (國家同步輻射研究中心)
- 17:10