

## Program of Users' Meeting

*Chairs: E-Wen Huang (黃爾文) & Wei-Tsung Chuang (莊偉綜)*

**September 5 (Tuesday)**

**Place: D260**

08:00 Registration

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09:00 **Opening Remarks**

*E-Wen Huang (黃爾文), Chairperson of Users Executive Committee, National Chiao Tung Univ. (國立交通大學)*

*Session Chair: E-Wen Huang (黃爾文)*

09:10 **NSRRC Current Status and Future Development**

*Shangjr Gwo (果尚志), NSRRC (國家同步輻射研究中心)*

*Session Chair: Kuo-Tung Hsu (許國棟)*

09:40 **Light Source Report**

*Ming-Chyuan Lin (林明泉), NSRRC (國家同步輻射研究中心)*

09:55 **Development of Experimental Facilities**

*Yu-Shan Huang (黃玉山), NSRRC (國家同步輻射研究中心)*

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10:10 Poster Setup / Coffee Break / Group Picture

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*Session Chair: Ming-Tao Lee (李明道)*

10:40 O1 **Packing Principles for 1D and 3D Conjugated Molecules**

*Chien-Lung Wang (王建隆), National Chiao Tung Univ. (國立交通大學)*

11:10 O2 **Understand the Crucial Functions of cyclic-di-GMP from a Structural Perspective**

*Shan-Ho Chou (周三和), National Chung Hsing Univ. (國立中興大學)*

*Session Chair: Shangjr Gwo (果尚志)*

11:40 S1 **Sync to Innovate**

*Mau-Chung Frank Chang (張懋中), National Chiao Tung Univ. (國立交通大學)*

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12:20 Poster Session and Lunch

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**Program of Users' Meeting (Continued)**  
*Chairs: E-Wen Huang (黃爾文) & Wei-Tsung Chuang (莊偉綜)*

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*Session Chair: Kuen-Song Lin (林錕松)*

13:50      O3      **The Significance of Poorly Crystalline Fe Hydroxides in Environmental Biogeochemistry**

*Yu-Ting Liu (劉雨庭), National Chung Hsing Univ. (國立中興大學)*

14:20      O4      **Visualizing Electronic Structure using Spatially/Angle Resolved Photoemission Spectroscopy: Cases in Low-dimensional Systems**

*Chung-Lin Wu (吳忠霖), National Cheng Kung Univ. (國立成功大學)*

*Session Chair: Chun-Jung Chen (陳俊榮)*

14:50      **Users' Town Meeting / Neutron Users' Town Meeting**

*E-Wen Huang (黃爾文), National Chiao Tung Univ. (國立交通大學)*

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15:30      **Coffee Break**

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15:50      **Oral Contest Presentation**

16:50

17:00      **Interest Group Meetings for PX (L100), PXRD (T202), SRM (A300), XAS (D260), and XNS (A119)**

18:00

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18:10      **Reception Dinner**

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## Program of Users' Meeting

*Chairs: E-Wen Huang (黃爾文) & Wei-Tsung Chuang (莊偉綜)*

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**Place: D260**

*Session Chair: Yan-Gu Lin (林彥谷)*

### Student Poster Contest Presentation - Materials Science

- 15:50 P52 **Unraveling Geometrical Site Confinement in High-efficient Iron-doped Electrocatalysts toward Oxygen Evolution Reaction: *in-situ* High-resolution Fluorescence-detected X-ray Absorption Spectroscopy**  
*Sung-Fu Hung (洪崧富), National Taiwan Univ. (國立台灣大學)*
- 16:00 P53 **Spectral Tuning and Thermal Stability Improvement by  $\text{Eu}^{2+}$  and  $\text{Li}^+$ - $\text{Si}^{4+}$  Substitution of the Narrow-band Red-emitting  $\text{Sr}[(\text{Mg}_{1-y}\text{Li}_y)_2(\text{Al}_{1-y}\text{Si}_y)_2\text{N}_4]$  Phosphor**  
*Julius Jr. Leaño, National Taiwan Univ. (國立台灣大學)*
- 16:10 P54 **Plasmonic Photocathodes for Photocatalytic Water Splitting with Visible Light**  
*Yu-Chang Lin (林佑鋆), National Chiao Tung Univ. (國立交通大學)*
- 16:20 P55 **Transparent Flexible Ferroelectric Thin Film Based on van der Waals Heteroepitaxy**  
*Min Yen (顏敏), National Chiao Tung Univ. (國立交通大學)*
- 16:30

## **Program of Users' Meeting**

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**September 5 (Tuesday)**

**Place: L100**

*Session Chair: Chen-Lin Liu (劉振霖)*

### **Student Poster Contest Presentation - Phys. / Chem. Science**

- 15:50 P175 **Interface Dipole of High- $\kappa$  Y2O3 on GaAs(001)-4 $\times$ 6 Attained Using Cycle-by-cycle ALD and Synchrotron Radiation Photoelectron Spectroscopy**  
*Wan-Sin Chen (陳婉馨), National Taiwan Univ. (國立台灣大學)*
- 16:00 P176 **Elucidation of Distinct Electric Characteristics of ALD Oxides on Highly Ordered GaAs(001) and In<sub>0.53</sub>Ga<sub>0.47</sub>As(001) Surfaces using Synchrotron Radiation Photoelectron Spectroscopy**  
*Yi-Ting Cheng (鄭伊婷), National Taiwan Univ. (國立台灣大學)*
- 16:10 P178 **Microscopic Mechanisms of Lead Accumulation on Red Algae**  
*Yen-Lin Cho (卓宴琳), National Chung Hsing Univ. (國立中興大學)*
- 16:20 P177 **Interfacial Electronic Structure and Magnetic Coupling of Synthesized Tris(8-hydroxyquinoline)iron(III) on Cobalt**  
*Li-Chung Yu (余立中), NSRRC (國家同步輻射研究中心)*
- 16:30

## **Program of Users' Meeting**

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**Place: A300**

*Session Chair: Ming-Tao Lee (李明道)*

### **Student Poster Contest Presentation - Biological Science**

- 15:50 P1 **New Structural Insights into the Opening of Type II Topoisomerase-mediated DNA-gate**  
*Shin-Fu Chen (陳星甫), National Taiwan Univ. (國立台灣大學)*
- 16:00 P4 **A Novel Study of Wax Physisorption Kinetics of the Induced Altered Glycosylation of Glycoprotein of HSC-1 Cell by UVA Exposure**  
*Chia-Yen Hsu (徐嘉延), NSRRC (國家同步輻射研究中心)*
- 16:10 P2 **Structural Insights into DD-Fold Assembly and Caspase-9 Activation by the Apaf-1 Apoptosome**  
*Tsung-Wei Su (蘇琮為), Academia Sinica (中央研究院)*
- 16:20 P3 **Molecular Mechanism of the Bacterial Chromosomal Partition System, ParABS System**  
*Cheng-Yi Yen (嚴承毅), National Tsing Hua Univ. (國立清華大學)*
- 16:30