

**2024 International Forum of Plasma and Thin Film Technologies for Sustainable Development Goals (2024PTSDG)**  
**20-22 June 2024, Ming Chi University of Technology, Taiwan**

| 2024 International Forum of Plasma and Thin Film Technologies for Sustainable Development Goals (2024PTSDG)<br>20-22 June 2024, Ming Chi University of Technology, Taiwan |  |                       |        |  |
|---|--|-----------------------|--------|--|
| Time  | June 20 (Thursday) Agenda  |                       |        |  |
| 13:30~16:30   | Registration   |                       |        |  |
| 14:00~17:00   | Oral Presentation Competition  |                       |        |  |
| 18:00~20:00   | Welcome dinner for foreign guests  |                       |        |  |
| Time  | June 21 (Friday) Agenda  |                       |        |  |
| 08:30~09:30   | Registration   | Moderators            |        |  |
| 09:30~09:45   | Opening Ceremony & Guest Address   | Prof. Jyh-Wei Lee     | Poster |  |
| 09:45~10:15   | <b>The new era of plasma engineering for materials synthesis and surface treatment</b><br>Invited Speech: Prof. Oi Lun (Helena) Li<br>School of Materials Science and Engineering, Pusan National University, Korea  | Prof. Jyh-Wei Lee     |        |  |
| 10:20~10:50   | <b>Study on mechanical properties &amp; tribological mechanism of AlCrTiZr-based high-entropy nitride coatings</b><br>Invited Speech: Prof. Deen Sun<br>Center for Advanced Thin Films and Devices, School of Materials and Energy, Southwest University, China  | Prof. Yi-Ting Lai     |        |  |
| 10:55~11:25   | <b>Cryogenic plasma etching towards zero greenhouse gas emission for semiconductor processes</b><br>Invited Speech: Prof. Shih-Nan Hsiao<br>Center of Low Temperature Plasma Science, Nagoya University Furo-Cho, Japan  | Prof. Li-Chun Chang   |        |  |
| 11:30~12:00   | <b>Multi-modification of ZnO nanorods for optoelectronic applications</b><br>Invited Speech: Prof. Dang Vinh Quang<br>Faculty of Materials Science and Technology, The Ho Chi Minh City University of Science (HCMUS)  | Prof. Phuoc-Huu Le    |        |  |
| 12:00~12:40   | Lunch  |                       |        |  |
| 12:40~14:00   | Poster Competition   | Prof. Yi-Ting Lai     |        |  |
| 14:00~14:30   | <b>Thermoelectric based oxides and metal-organic framework materials</b><br>Invited Speech: Prof. Thang Bach Phan<br>Center for Innovative Materials and Architectures, Vietnam National University, Ho Chi Minh City, Vietnam   | Prof. Meng-Fang Lin   |        |  |
| 14:35~15:05   | <b>Perspectives on plasma-material interactions research in the philippines for sustainable development</b><br>Invited Speech: Prof. Magdaleno Vasquez Jr<br>Department of Mining, Metallurgical, and Materials Engineering, College of Engineering University of the Philippines Diliman, Philippines                                     | Prof. Chi-Hsien Huang |        |  |
| 15:05~15:25   | Coffee Break   |                       |        |  |
| 15:25~15:55   | <b>Simple coating of recombinant human secretory leukocyte protease inhibitor (rhSLPI) enhanced osteoblast adhesion on titanium surface: A starting point for development of novel medical implant coating agent</b><br>Invited Speech: Prof. Sarawut Kumphune<br>Biomedical Engineering Institute (BMEI), Chiang Mai University, THAILAND | Prof. Wei-Yu Chen     |        |  |
| 16:00~16:30   | <b>Adhesion between microwave plasma treated epoxy and silicone</b><br>Invited Speech: Prof. Kuan Yew Cheong<br>Electronic Materials Research Group, School of Materials & Mineral Resources Engineering, Engineering Campus, Universiti Sains Malaysia  | Prof. Sheng- Chi Chen |        |  |
| 16:35~17:05   | <b>Mechanical responses of high-entropy materials under extreme environments</b><br>Invited Speech: Prof. Wenyi Ho<br>National Centre for Nuclear Research, Poland (Video)   | Prof. Tsung-Yu Huang  |        |  |
| 17:05~17:25   | <b>Oral/Poster Competition Award Ceremony and Closing Ceremony</b>   | Prof. Jyh-Wei Lee     |        |  |
| 18:00~20:30   | Forum Banquet  |                       |        |  |
| Time  | June 22 (Saturday) Agenda  |                       |        |  |
| 08:00~17:00   | Visiting CPTFT, MCUT/ Meeting/Sightseeing  |                       |        |  |