**Parallel Session: Chemistry and Material Sciences**

Date: December 19th (Thursday)

Room: 化學系松柏講堂

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| **Theme** | **Material Synthesis and Microscopy (Chair: Prof. TOKITOH, N.)** |
| 13:40~14:00 | Opening Remarks: KU (Prof. Tokitoh); NTU (Dr. L. C. Chen) |
| 14:00~14:25 | Prof. KURATA, Hiroki (Institute of Chemical Research, KU)  *Interface structures of oxide thin films* |
| 14:25~14:50 | Prof. LIU, Ru-Shi (Department of Chemistry, NTU)  *Light Conversion to Light Materials: Phosphors for LEDs* |
| 14:50~15:15 | Prof. SHIMAKAWA, Yuichi (Institute of Chemical Research, KU)  *Synthesis of new functional oxide materials* |
| 15:15~15:40 | Dr. CHU, Ming-Wen (Center for Condensed Matter Sciences, NTU)  *Atomic-Scale Observation of Electronic Reconstruction at Oxide Interfaces* |
| 15:40~16:10 | Coffee Break |
|  | **Organic Chemistry (Chair: Dr. CHU, M.-W.)** |
| 16:10~16:35 | Prof. TOKITOH, Norihiro (Institute of Chemical Research, KU)  *Recent Progress in Organoelement Chemistry* |
| 16:35~17:00 | Prof. LIU, Shiuh-Tzung (Department of Chemistry, NTU)  *Ligand effect on transition metal catalyzed reactions* |

**Parallel Session: Chemistry and Material Sciences**

**D**ate: December 20th (Friday)

Room: 化學系松柏講堂

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| **Theme** | **Organic Chemistry and Applications (Chair: Prof. TOKITOH, N.)** |
| 09:00~09:25 | Prof. PENG, Shie-Ming (Department of Chemistry, NTU; Vice President, Academia Sinica)  *The Road to Molecular Metal Wires: The Past and Recent Advances of Metal String Complexes* |
| 09:25~09:50 | Prof. OZAWA, Fumiyuki (Institute of Chemical Research, KU)  *Catalytic Direct Arylation Polymerization: Scope and Mechanism* |
| 09:50~10:15 | Prof. CHEN, Chun-Wei (Department of Materials Science and Engineering, NTU)  *Nanomaterials for Organic Photovoltaics* |
| 10:15~10:40 | Prof. YAMAGO, Shigeru (Institute of Chemical Research, KU)  *Recent Advances in Organotellurium-Mediated Living Radical Polymerization* |
| 10:40~11:10 | Coffee Break |
| **Theme** | **Solid-State Chemistry (Chair: Dr. Chu, M.-W.)** |
| 11:10~11:35 | Dr. CHOU, Fang-Cheng (Center for Condensed Matter Sciences, NTU)  *Real vs. reciprocal space view of graphene and topological insulators* |
| 11:35~12:00 | Dr. CHEN, Wei-Tin (Center for Condensed Matter Sciences, NTU)  *Science with extreme conditions: Novel materials with high pressure synthesis* |