

PROGRAM

August 3, 2009

- 8:30 AM **Registration**
- 9:10 AM **Conference Opening**
Jong-Min Liu (ITRI)
Ta-Jo Liu (National Tsing Hua University)

Session A

Session Chairman: Profs. Carlos Tiu and An-Bang Wan

- 9:30 AM **New Approach for Coating Processes of Functional Films**
Yukio Yamaguchi (Univ. of Tokyo)
- 10:00 AM **Break**
- 10:30 AM **Beyond Rheometry in IT Applications**
Kyung Hyun Ahn (Seoul National Univ.)
- 11:00 AM **Creating Multi-Scale Structures during Drying**
Masato Yamamura (Kyushu Inst, Tech.)
- 11:30 AM **Coating Industry and Research in Taiwan**
Ta-Jo Liu (National Tsing Hua University)
Coating Fundamentals Research Community Worldwide
Shuzo Fuchigami (ISCST Rep.)
- 12:00 PM **Lunch**

Session B

Session Chairman: Profs. Yoshiyuki Komoda and Masahiro Fujita

- 13:00 PM **Effect of Coating Process on Structure of Organic Thin Film and its Electric Properties**
Keisuke Oku (Univ. of Tokyo)
- 13:20 PM **Film Formation of Flocculated Silica/PVA Suspension**
Sunhyung Kim (Seoul National Univ.)
- 13:40 PM **Porous Structures in Phase Separating Coatings under Marangoni Flow**
Sintaro Eikai (Kyushu Inst. Tech.)
- 14:00 PM **Drying-induced Birefringence of Polyimide Optical Films**
Po-Ju Chen (National Tsing Hua Univ.)
- 14:20 PM **Formation Mechanism of 3D-Morphologies of Colloidal Particles during Drop Drying on Hydrophobic Substrate**
Yoshihisa Hirano (Univ. of Tokyo)
- 14:40 PM **Break**
- 15:00 PM **Drying Regime Map for Particulate Coating**
Yoon Dong Jung (Seoul National Univ.)
- 15:20 PM **Star-Cracks on Silica Suspension Film Surface**
Takakazu Kubota (Kyushu Inst. Tech.)
- 15:40 PM **The Fluid Mechanics of Stripe Coating**
Chi-Feng Lin (National Tsing Hua Univ.)
- 16:00 PM **Evaluation of Drying Process of Slurry Coated Film by a Laser Displacement Sensor**
Ritsuko Kimura (Kobe Univ.)

16:20 PM **Characterization of Pigment Ink System by Dielectric Spectroscopy**
Ayoung Lee (Seoul National Univ.)

17:00 PM **Banquet (Hotel Royal Hsinchu)**

August 4, 2009

Session C

Session Chairman: Profs. Yukio Yamaguchi and Kyung Hyun Ahn

- 9:00 AM **Solution Casting of Glycerol and Carboxymethylcellulose (CMC) solutions**
Carlos Tiu (Monash Univ.)
- 9:30 AM **Introduction to the New Development of Pattern-Coating Technology**
An-Bang Wang (National Taiwan Univ.)
- 10:00 AM **Break**
- 10:30 AM **Mesoscale Simulation of Nanoparticles Suspension in Coating-Drying Processes by SNAP**
Masahiro Fujita (Univ. of Tokyo)
- 11:00 AM **Structure Control of PEFC Electrode by Coating and Drying Technology**
Yoshiyuki Komoda (Kobe Univ.)
- 11:30 AM **Formation of Optically Anisotropic Silica Colloidal Films by a Simple Drop Drying Method**
Susumu Inasawa (Univ, of Tokyo)
- 12:00 PM **Lunch**

Session D

Session Chairman: Profs. Masato Yamamura and Susumu Inasawa

13:30 PM	Pervaporation for Solvent Purification <u>Anhwa Dwan (Achem Tech. Co.)</u>
14:00 PM	Introduce Crown Machinery and Coating Line Equipment <u>Huang-I Pei (Crown Machinery)</u>
14:30 PM	Optimized Pre-Metered Die Coating Methods and their Advantages for New Coating Applications <u>Harald Doell (TSE Troller AG)</u>
15:00 PM	Break
15:30 PM	Coating Head & Oven Selection <u>Chung-Yung Lu (JCM)</u>
16:00 PM	Hybrid Materials Used in Coating and Film Casting Application <u>Shih-Ming Chen (ITRI)</u>