

November 21, Wednesday

@ Center for Condensed Matter Sciences

08:00~08:45

Registration

08:45~09:00

Opening Ceremony

Chairman: Wen-Chang Chen

[Keynote-1] Roles of Functional Groups and Nanostructures in Advanced Polyimide Materials for Microelectronics and Displays

09:00~09:30

Moonhor Ree (Pohang University of Science & Technology)

Chairman: Shinji Ando

[IL-1] Alkaline developable Positive type Photosensitive Polyimide Based on Fluorinated PAA, PAA, and Fluorinated diazonaphthoquinone

09:30~09:50

Mitsuru Ueda (Tokyo Institute of Technology)

[IL-2] The New Copolyimides from Diphenylether tetracarboxylic dianhydride, 4,4'-Diaminodiphenylether and 1,4-Diaminobenzene

09:50~10:10

Feifeng He (Shanghai Research Institute of Synthetic Resins)

[IL-3] Enhanced Thermal Conductivity of Polyimide Films via a Hybrid of Micro- and Nano-Sized Boron Nitride

10:10~10:30

Steve Lien-chung Hsu (National Cheng-Kung University)

10:30~10:50

Coffee Break

Chairman: Jian-Hua Fang

[IL-4] Organo-soluble semi-alicyclic PIs: A low-cost route from tetralin alicyclic dianhydrides and aromatic diamines

10:50~11:10

Shiyong Yang (Chinese Academy of Sciences)

[IL-5] Mechanically and Thermally Enhanced Intrinsically Dopable Polyimide Membrane with Advanced Gas Separation Capabilities

11:10~11:30

Jui-Ming Yeh (Chung Yuan Christian University)

[IL-6] Molecular Design, Synthesis and Properties of Multi-Color Fluorescent Polyimides Based on the Excited State Intramolecular Proton Transfer (ESIPT) Mechanism

11:30~11:50

Shinji Ando (Tokyo Institute of Technology)

[IL-7] Facile, efficient synthesis of a phosphinated hydroxyl diamine and properties of its high-performance poly(hydroxyl imides) and polyimide-SiO₂ hybrids

11:50~12:10

Ching-Hsuan Lin (National Chung Hsing University)

12:10~13:30

**Lunch
(Poster Announce)**

Chairman: Steve Lien-chung Hsu

13:30~13:50 [IL-8] Synthesis and Properties of Well-Defined Hyperbranched Polyamides by Chain-Growth Condensation Polymerization of AB₂ Monomers

Tsutomu Yokozawa (Kanagawa University)

13:50~14:10 [IL-9] Comparative Studies on Melt Processable Polyimides Derived from 3,4'-Oxydiphthalic Anhydride and 3,4'-Thioetherdiphthalic Anhydride

Xingzhong Fang (Chinese Academy of Sciences)

14:10~14:30 [IL-10] Synthesis of Novel Polyimides Containing Phenyl-substituted Diphenylether Moieties

Jyh-Chien Chen (National Taiwan University of Science and Technology)

14:30~14:50 [IL-11] Polyisoimides based on 3, 4'-BPDA with Excellent Processability and Properties

Zhen Wang (Chinese Academy of Sciences)

14:50~15:10 [IL-12] Preparation of Aromatic Polyamide Hollow Particles

Kunio Kimura (Okayama University)

15:10~16:30

Poster Session (Competition) & Coffee Break

Chairman: Tsutomu Yokozawa

16:30~16:50 [IL-13] Transparent Nano Clay-Polyimide Hybrid Technology for Flexible Display

Tzong-Ming Lee (Industrial Technology Research Institute)

16:50~17:10 [IL-14] Solution-processable Low-CTE Transparent Heat-resistant Plastic Substrate Materials in Display Devices

Masatoshi Hasegawa (Toho University)

17:10~17:30 [IL-15] Intermolecular Interactions of Polyimides Containing Benzoheterocyclic Moieties

Guangliang Song (Jilin University)

18:00~20:30

Banquet @ Howard International House

November 22, Thursday

@ Center for Condensed Matter Sciences

Chairman: Der-Jang Liaw

09:00~09:30 **[Keynote-2]** Hollow Polymeric Micro/Nanostructures - Synthesis, Morphology and Function

En-Tang Kang (National University of Singapore)

Chairman: Chun-Hai Chen

09:30~10:30 **[IL-16]** Synthesis of Soluble and Thermal Stable Polyimides for Vertical Alignment of Liquid Crystal

Yinghan Wang (Sichuan University)

09:30~10:30 **[IL-17]** Comparison of Positive-tone Photosensitive Polyimides

Masao Tomikawa (Toray Industries Inc.)

09:30~10:30 **[IL-18]** An Investigation and Development of High Performance Polyimide for Flexible CIGS Solar Cell Substrate

Paul S. C. Wu (Taimide Tech. Inc.)

10:30~10:50 **Coffee Break**

Chairman: Jyh-Chien Chen

10:50~11:10 **[IL-19]** Triphenylamine-Substituted Polymer-Active Resistive Memory Devices with Different Memory Types

Kun-Li Wang (National Taipei University of Technology)

11:10~11:30 **[IL-20]** Development of "TriA-X" Polyimide Composites Prepared from Imide Solution Prepregs

Yuichi Ishida (Japan Aerospace Exploration Agency)

11:30~11:50 **[IL-21]** Synthesis and Characterization of Novel Aromatic Polyamides via Yamazaki-Higashi Phosphorylation Method

Zixing Shi (Shanghai Jiao Tong University)

11:50~12:10 **[IL-22]** Solution-Processable High-Performance Polymers for Optoelectronic Applications

Hung-Ju Yen (National Taiwan University)

12:10~13:30 **Lunch**
(Closing Ceremony)