

## **Tokyo Polytechnic University Symposium Programs**

**Sat. 21, Oct. 2006**

**10:00-13:00**

### **The 2<sup>nd</sup> symposium of Center for Hyper Media Research**

*(The High-Tech Research Center for Private Universities, and matching fund subsidies from the Ministry of Education, Culture, Sports, Science and Technology (MEXT), 2005~)*

**Rm. 1111, No. 11 Bldg., Tokyo Polytechnic University (Atsugi Campus)**

**14:00-18:10**

### **The 4<sup>th</sup> International Symposium on “Organic Light-Emitting Display and Their Materials”**

*(Thailand-Japan JSPS Bilateral Joint Research Program)*

**Rm. 1111, No. 11 Bldg., Tokyo Polytechnic University (Atsugi Campus)**

**18:30-20:00**

**Banquet**

**(No. 8 Bldg., Dining hall (1F), Tokyo Polytechnic University (Atsugi Campus))**

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10:00 (Opening remarks) *Yuichiro Kume (director of CHMR, TPU)*

### Part 1: Image Quality and Human Vision

10:05 "Evaluation of digital color proof as a preparation for monitor proof"  
*Masao Inui (CHMR, TPU)*

10:20 "A subjective evaluation of gamut expansion algorithms based on chroma mapping"  
*Yoshihiko Azuma (CHMR, TPU)*

10:35 "A method to reproduce smooth depth in a stereoscopic display"  
*Hidenori Kuribayashi (CHMR, TPU)*

10:50 "Measurement and Analysis of Sharpness of Ink Jet Printed Image"  
*Chawan Koopipat (Chulalongkorn Univ.): invited*

11:15 (coffee break)

### Part 2: Sputter-Deposition of Transparent Conducting Films at Room Temperature

11:25 "Gas evolution and crystallization of amorphous indium-tin-oxide films during the heating process"  
*Meihan Wang (CHMR, TPU)*

11:45 "Transparent organic light emitting devices with a cathode deposited by various kinds of sputtering methods"  
*Takayuki Uchida (CHMR, TPU)*

12:05 "Origin of inhomogeneous distributions of ITO films on substrate sputter-deposited at room temperature"  
*Yoichi Hoshi (CHMR, TPU)*

12:25 "Low-temperature preparation of ITO thin films by gas flow sputtering"  
*Kiyoshi Ishii (Utsunomiya University): invited*

12:55 (Closing remarks) *Yutaka Sawada (CHMR, TPU)*

**The 4th International Symposium on  
“Organic Light-Emitting Display and Their Materials”  
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Rm. 1111, No. 11 Bldg., Tokyo Polytechnic University (Atsugi Campus)

- 14:00 (Opening remarks) *Nobuyuki Kobayashi (President, TPU)*
- 14:05 “Effects of deposition parameters on properties of RF-sputtered ITO films: An MU experiment” *Somsak Dangtip (Mahidol Univ.)*
- 14:25 “Indium-tin-oxide films deposited by spray CVD on non-flat substrate”  
*Takeshi Kondou (CHMR, TPU)*
- 14:40 “Fabrication of organic light-emitting devices using indium-tin-oxide anode deposited by spray CVD”  
*Shigeyuki Seki (CHMR, TPU)*
- 14:55 “Deposition of luminescent a-SiN<sub>x</sub>:H films with SiH<sub>4</sub>-N<sub>2</sub> gas mixture by VHF-PECVD”  
*Shin-ichi Kobayashi (CHMR, TPU)*
- 15:10 “Thermal change of Alq<sub>3</sub>” *Meihan Wang (CHMR, TPU)*
- 15:25 “Synthesis, characterization and electronic structure of the functional polymer materials for organic EL device”  
*Toshihiro Hiejima (TPU)*
- 15:45 “Change of chain conformation induces multiple photo-emissions from conjugated polymer”  
*Rakchart Traiphol (Naresuan Univ.)*
- 16:05 (coffee break)
- 16:25 “Molecular quantum mechanics approach to the color engineering of conductive polymers”  
*Teerakiat Kerdcharoen (Mahidol Univ.)*
- 16:45 “Hopping and continuous device modeling for organic light emitting devices”  
*Tanakorn Osotchan (Mahidol Univ.)*
- 17:05 “Colorless and high-temperature polymers -Alicyclic polyimides-”  
*Toshihiko Matsumoto (TPU)*
- 17:25 “Preparation of optically clear polymer-clay nanocomposites as an encapsulator for OLEDs devices”  
*Toemsak Sriksirin (Mahidol Univ.)*
- 17:45 “The electric characteristic of the inorganic-EL panel prepared in the screen-printing process”  
*Toshifumi Sato (CHMR, TPU)*
- 18:00 (Closing remarks) *Tanakorn Osotchan (Mahidol Univ.)*