

Tokyo Polytechnic University Symposium Programs

Sat. 21, Oct. 2006

10:00-13:00

The 2nd 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 4th 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)*

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- 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_x:H films with SiH₄-N₂ gas mixture by VHF-PECVD”
Shin-ichi Kobayashi (CHMR, TPU)
- 15:10 “Thermal change of Alq₃” *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.)*