

**The 5th Symposium of Center for Hyper Media Research
(International Symposium)**
ハイパーメディア研究センター 第5回シンポジウム
文部科学省 私立大学学術研究高度化推進事業 ハイテク・リサーチ・センター整備事業
Saturday, 11th October, 2008
Rm. 911, Atsugi Campus, Tokyo Polytechnic University

9:30
Opening remarks Yuichiro Kume
(Director of Center for Hyper Media Research, Tokyo Polytechnic Univ., Japan)

Part 1: Image Quality and Human Interface

Chair: Tohru Tamura (Tokyo Polytechnic Univ., Japan)

9:35
Quantitative Evaluation for Indistinct "Mura" in Displays Based on Human Vision
Yuko Masakura, Tohru Tamura (Tokyo Polytechnic Univ., Japan)

9:50
The Construction of a 3D Shape Modification System Based on Haptic Display
R. P. C. Janaka Rajapakse, Yoshimasa Tokuyama (Tokyo Polytechnic Univ., Japan)

10:05
Facial Expression Analysis and Its Application to Browsing Control of Hypermedia
Tsuyoshi Moriyama (Tokyo Polytechnic Univ., Japan)

10:20
Poster presentation (coffee break) Rm. 915

Part 2: Materials related to Organic Light Emitting Devices

Chair: Takayuki Uchida (Tokyo Polytechnic Univ., Japan)

11:00
Toward Wet Route Coating for Flexible Transparent Conducting Film: a General Review
Suparerk Aukkaravittayapun
(Singapore Institute of Manufacturing Technology (SIMTech), Singapore)

11:20
Damage of Organic Emission Layer by High Energy Particles
Hao Lei (Tokyo Polytechnic Univ., Japan)

11:35
Thermal Crystallization of Alq₃ Thin Films
Meihan Wang (Tokyo Polytechnic Univ., Japan)

11:50
Organic Light Emitting Devices Based on Ir(ppy)₃ Complex using Novel Host Materials
Rakchart Traiphol (Naresuan Univ., Thailand)

12:10
Helicene Derivatives as a New Emitting Material for an OLED

Somboon Sahasithiwat
(National Metal and Materials Technology Center (MTEC), Thailand)

12:30
Closing remarks Yutaka Sawada
(Project 2 Leader, Center for Hyper Media Research, Tokyo Polytechnic Univ., Japan)

List of Poster Presentation by Students and Staffs of Tokyo Polytechnic University

1.
Single-shot Phase Measurement using Two-wavelength Quadrature Phase-shifting Interferometer with Diffraction Grating and Polarization Optics
Tomohiro Kiire, Suezou Nakadate, Masato Shibuya
2.
Analysis of Individual Difference in Color Matching between Paper White and Display
Toyoshi Morioka, Masao Inui, Yoshihiko Azuma
3.
Color Discrimination Thresholds in Color Solid Space-Effect of Background Luminance -
Masazumi Hirai, Kazuo Ishikawa, Ken-ichiro Kawamoto, Toyohiko Hatada
4.
Evolution of Space Reproduction in the High Density Directional 3D Display
Yasuhisa Ushioda, Kazuo Ishikawa, Hidenori Kuribayashi, Toyohiko Hatada
5.
Deposition of a-SiNx:H Films with SiH₄-N₂-H₂ Gas Mixture by VHF-CVD
Shin-ichi Kobayashi
6.
The Relationships between the Film Structure and Photocatalytic Characteristic of TiO₂ Thin Film Deposited under Oblique Incidence by Oxygen Ion Assisted Reactive Evaporation Method
Tetsuya Sakai
7.
Structure and Photocatalytic Property of TiO₂ Film Deposited by High Rate Reactive Sputtering
Daiki Ishihara
8.
The Dependence Properties of TiO₂ Film Thickness Deposited by Oxygen Ion Assisted Reactive Evaporation Method
Shohei Mochiduki
9.
Thermal Crystallization of Sputter-Deposited Amorphous ITO films
Meihan Wang
10.
Growth Mechanism of Indium Oxide and Tin Oxide Films Fabricated by Spray CVD
Takeshi Kondo
11.
Sintered Bodies of Zinc Oxide Doped with Trivalent and Tetravalent Ions
Chihiro Ishikiriya
12.
Spray CVD of Aluminum-Doped Zinc Oxide Films
Hiroyuki Enta
13.
Spray CVD of Iridium Films
Yoshiyuki Seki
14.
Flexible OLED and Transparent OLED on Plastic Substrate
Makoto Wakana, Masahiro Yahata, Jun Tadano, Takayuki Uchida
15.
An Application of the TOLED to a Depth-Fused 3-D (DFD) Display
Shinpei Takasawa, Masahiro Yahata, Satoshi Kawamura,
Yoshinori Tanaka, Takayuki Uchida