

The 4th Korean-Japanese-Chinese Student Workshop



Program

October 29 ~ 30, 2008

Pusan National University, Korea

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Acknowledgment

This workshop is held by BK 21 Nano Fusion Technology Team, Pusan National University; the 21st Century COE Program, Shizuoka University and TEDA Applied Physics School Nankai University, China

Characteristics of Multi-holes Micro-hollow Cathode Discharge at Atmospheric Pressure

10:00 ~ 10:15 P-5 Seung Yul Choi (Pusan National University)

Enhancing The Energy Release Rate of Nanoenergetic Material by Bipolar Coagulation with Electrospray

10:15 ~ 10:40 Coffee break

Session II (Chair : Prof. Dong Yun Lee)

10:45 ~ 11:00 P-6 Xian Wu (Nankai University)

Real-time detection of NAD(P)H fluorescence in single human neutrophils

11:00 ~ 11:15 P-7 Woojin Ha (Pusan National University)

Fabrication and characterization of crack-free nanoporous gold thin film on silicon (100) substrate

11:15 ~ 11:30 P-8 Makoto Aoki (Shizuoka University)

THz photoconductive semiconductor detector system with a 4K cryocooler for sensing on the ground

11:30 ~ 11:45 P-9 Kun Song (Nankai University)

Nitric oxide induced the elevation of $[Ca^{2+}]_c$ by activating the TRPV channels in osteoblast cells.

11:45 ~ 12:00 P-10 Miftahul Anwar (Shizuoka University)

Measurement of Dopant-Induced Surface Potential in a Thin Silicon Layer by Low Temperature Kelvin Probe Force Microscope

12:00 ~ 14:00 Lunch

Session III (Chair : Prof. Norihisa Hiromoto)

14:00 ~ 14:15 P-11 Mijeong Kang (Pusan National University)

Solvent Effects on FRET to Fluorophore-labeled DNA in Conjugated Polyelectrolytes-based Biosensors

14:15 ~ 14:30 P-12 Qing Zhao (Nankai University)

*Expression and Localization of Voltage-gated Proton Channel H_v1
in HeLa Cells*

- 14:30 ~ 14:45 P-13 Eunjae Jeong (Pusan National University)
*Synthesis and Characterization of Indeno[1,2-b]fluorene-based
White Light-Emitting Copolymer*
- 14:45 ~ 15:00 P-14 Kazuya Okabe (Shizuoka University)
X-ray energy distinction using an accumulation type detector
- 15:00 ~ 15:15 P-15 Ye-Sul Jeong (Pusan National University)
*Enhanced Electrical Properties of Atmospheric-Plasma Treated Al-
doped ZnO Thin Films with Hydrogen Gas*

15:15 ~ 15:45 Coffee break

Session IV (Chair : Prof. Han Young Woo)

- 15:45 ~ 16:00 P-16 Sayaka Shimizu (Shizuoka University)
*Rapid growth of aligned carbon nanotubes by chloride mediated
chemical vapor deposition*
- 16:00 ~ 16:15 P-17 SeungHun Lee (Pusan National University)
*The enhancement of ferromagnetism in ZnCoO nano-crystalline
powder*
- 16:15 ~ 16:30 P-18 Tomohiro Yamada (Shizuoka University)
Seebeck effect in IV-VI semiconductor films and superlattices
- 16:30 ~ 16:45 P-19 Yating Zhang (Nankai University)
*Direct observation of the size dependence of Dexter energy transfer
from MEH-PPV to PbS quantum dots*
- 16:45 ~ 17:00 Closing Remark : **Prof. Hidenori Mimura**

Banquet (Chair : Prof. Yoichiro Nakanishi)

- 19:00 ~ 21:30 Banquet Closing Address : Prof. Hidenori Mimura
Prof. Romano Rupp
Prof. Se-Young Jeong