



The 11th Takayanagi Kenjiro Memorial Symposium

Research Institute of Electronics, Shizuoka University
-Toward Advanced Imaging Science Creation-

DATE November 12 and 13, 2009 Registration Fee : Free

Location Sanaru Hall, Hamamatsu Campus, Shizuoka University
3-5-1 Johoku, Naka-ku, Hamamatsu 432-8011, Japan.

Program

11/12
Thursday

10:00

Opening

Naotaka Oki (President of Shizuoka University)

Hidenori Mimura (Director of Research Institute of Electronics, Shizuoka University)

10:10

Session 1 : Plenary Talks

Invited Talk ① ***Can CNTs Be The Future of Electronics?***

W.I. Milne (Engineering Department, Cambridge University, UK)

Invited Talk ② ***The Art of Tangible Bits***

Hiroshi Ishii (Media Laboratory, Massachusetts Institute of Technology, USA)

Invited Talk ③ ***NHK's Research Strategy on Super-Hivision and Beyond***

Keiichi Kubota (NHK Science and Technology Research Laboratories, Japan)

12:10

Lunch

13:30

Dedication Ceremony for IEEE Milestone Award

Unveiling Ceremony for IEEE Milestone (In front of the bust of Prof. K. Takayanagi)

Commemorative Ceremony (Sanaru hall)

Special Lectures

① ***Beginning of Development of Electric Television and Development of Displays***

Yasuharu Suematsu (Former President of Tokyo Institute of Technology)

② ***History of Television***

Alex Magoun (Director of Sarnoff Library)



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Friday

9:00

Session 2

- Invited Talk ① **Technology Issues on Next Generation Flat Panel Displays**
Jin Jang (Department of Information Display and ADRC, Kyung Hee University, Korea)
- Invited Talk ② **Printed Organic Transistors for Ambient Electronics**
Takao Someya (University of Tokyo, Japan)

10:20

Coffee Break

10:40

Session 3

- Invited Talk ① **Recent Progress in Laser Projector and Laser TV**
Kazuhisa Yamamoto (Photon Pioneers Center, Osaka University, Japan)
- ② **Development of MEMS Equivalent Circuit Generator**
Gen Hashiguchi (Research Institute of Electronics, Shizuoka University, Japan)
- ③ **Stable Operation Voltage and Low Work Function Transfer Mold
Field Emitter Arrays in Harsh Environment**
Jonghyun Moon and Masayuki Nakamoto (Research Institute of Electronics, Shizuoka University, Japan)

12:00

Lunch

13:00

Session 4

- Invited Talk ① **A Proposal for Future Nano-Electronics**
Iwao Ohdomari (Waseda University, Japan)
- Invited Talk ② **Growth and Characterization of GaN-Based Room-Temperature Ferromagnetic Semiconductors for Semiconductor Spintronics**
H. Asahi, S. Hasegawa, Y.K. Zhou and S. Emura
(The Institute of Scientific and Industrial Research, Osaka University, Japan)

14:30

Coffee Break

14:50

Session 5

- ① **Recent Progress of CMOS Image Sensors**
Shoji Kawahito (Research Institute of Electronics, Shizuoka University, Japan)
- ② **Femtosecond Photonics for High Density Optical Data Storage**
Yoshimasa Kawata and Wataru Inami (Faculty of Engineering, Shizuoka University, Japan)

15:30

Closing Remarks Masayuki Nakamoto
(General Chair of The Symposium, Research Institute of Electronics, Shizuoka University)

Organizer: Research Institute of Electronics, Shizuoka University.

Cosponsor: Takayanagi Foundation for Electronics Science and Technology, and Hamamatsu Photonics K.K.

Information: <http://www.rie.shizuoka.ac.jp/> Contact: TEL : 053-478-1301 FAX : 053-478-1651