



# The 9<sup>th</sup> Takayanagi Kenjiro Memorial Symposium

Research Institute of Electronics, Shizuoka University



## The 4<sup>th</sup> International Symposium on Nanovision Science

The 21st century COE program, Shizuoka University

# Nanospace Manipulation of Photons and Electrons for Nanovision Systems

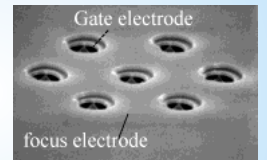
**D**ATE **October 29 and 30, 2007**

**L**ocation **Sanaru Hall, Hamamatsu Campus, Shizuoka University  
3-5-1 Johoku, Naka-ku, Hamamatsu 432-8011, Japan**

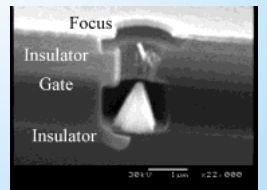
**Registration Fee : Free**

### **P**lenary Talks

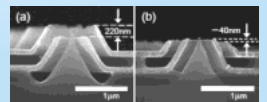
- 1** *Plasmonic Coupling for Nano Imaging and Nano Recording*  
**Din Ping Tsai** (National Taiwan University, Taiwan)
- 2** *Technical Development toward Implementation of Super Hi-Vision System*  
**Kenkichi Tanioka** (Science and Technical Research Laboratories, NHK, Japan)
- 3** *Origin of the Ferromagnetism in ZnO Based DMS and Its Application to OLED*  
**Se-Young Jeong** (Pusan National University, Korea)
- 4** *Progress in Uncooled Infrared Focal Plane Arrays*  
**Masafumi Kimata** (Ritsumeikan University, Japan)
- 5** *Development of Nano and Composite Phosphor Materials for LED Lighting and Display Device Applications*  
**Muniasamy Kottaisamy** (Kalasalingam University, India)
- 6** *High-Sensitivity CMOS Imagers-Challenges, limits, and trade-offs*  
**Bedabrata Pain** (California Institute of Technology, USA)
- 7** *Terahertz Sensing and Imaging Technology*  
**Xi-Cheng Zhang** (Rensselaer Polytechnic Institute, USA)



A-1

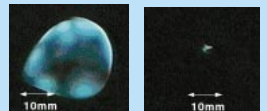


A-2



A-3

(A) Field emitter with an electrostatic focus lens



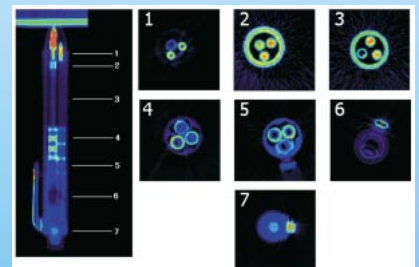
B-1

(B) Beam spots observed on a phosphor screen

**Y**oung Researchers' Presentations *Part 1: Short Oral Presentations*  
*Part 2: Poster Presentations*

**T**echnical Sessions

- *Advanced Optoelectronic Devices and Human Interfaces*
- *Highlights of the 21st Century COE program*
- *Photon Emission*
- *Photon Detection*
- *Information and Human Technology*



Photon counting X-ray CT image,  
Sample Images of 2 color ball point pen

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

<http://www.gsest.shizuoka.ac.jp/coe/>  
TEL : 053-478-1302 FAX : 053-478-1365  
e-mail : 21coe@adb.shizuoka.ac.jp