

# **The 21<sup>st</sup> Takayanagi Kenjiro Memorial Symposium**

**Research Institute of Electronics, Shizuoka University**

## **Toward Advanced Imaging Science Creation**

***Interdisciplinary Fusion in Nano Vision, Materials Science, and  
Optoelectronics for Medical and Biological Application***

**Tuesday, November 12, 2019**

**Location: Sanaru Hall, Hamamatsu Campus, Shizuoka University**

**3-5-1 Johoku, Naka-ku, Hamamatsu 432-8561, Japan**

**9:30 Opening (Chair: Hisao Suzuki)**

**Kiyoshi Ishii (President of Shizuoka University)**

**Hidenori Mimura (Director of RIE, Shizuoka University)**

### **Plenary Talks**

**(Chair: Hisao Suzuki)**

**9:40 PL-1. Electron aspirator using electron-electron scattering in nanoscale silicon**

**Yukinori Ono (RIE, Shizuoka University, Japan)**

**10:20 PL-2. Solution process and characterization of solar cells**

**Chung-Hsin Lu (National Taiwan University, Taiwan)**

**11:00 Break**

**(Chair: Yukinori Ono)**

**11:10 PL-3. Diamond nanothermometry with nitrogen-vacancy centers**

**Huan-Cheng Chang (Institute of Atomic and Molecular Sciences, Taiwan)**

**11:50 PL-4. Color converters for laser-driven solid state lighting**

**Rong-Jun Xie (Xiamen University, China)**

**12:30 Lunch**

## **Lectures by Takayanagi Prize Winners**

**(Chair: Yoichiro Nakanishi)**

**14:00** TL-1. Developments towards diagnostic optical imaging  
Yoko Hoshi (Hamamatsu University School of Medicine, Japan)

**14:40** TL-2. A microprobing system for precision dimensional measurement  
based on detection of local surface interaction force  
So Itoh (Toyama Prefectural University, Japan)

**15:10 Break**

**(Chair: Wataru Inami)**

**15:30** TL-3. Studies on new carbon-carbon and carbon-heteroatom  
bond formation under light irradiation  
Tetsuya Sengoku (Shizuoka University, Japan)

**16:00** TL-4. Intravital imaging with nonlinear optical effects has  
shown up functional blood circuit  
Naoki Honkura (Hamamatsu University School of Medicine, Japan)

**16:30 Closing** **Hisao Suzuki (Symposium Chair)**

**16:40 Memorial Photo**

## **Reception**

**17:00-19:00 Takayanagi Memorial Hall,  
Hamamatsu Campus, Shizuoka University**