

# CIAiS International Symposium 2019

Research and Education Consortium for Innovation of Advanced Integrated Science

Friday, March 1, 2019 13:30-19:00

Fukutake Hall, The University of Tokyo

13:00           **Poster Open**

**Opening 13:30-13:50**

*Chair: Yuta Yoshimoto*

13:30-13:50   **Welcome Address**

*Shigeo Maruyama*

Consortium Director, The University of Tokyo

**Opening Address**

*Keiji Yamamoto*

Program Officer, Japan Science and Technology Agency

**Keynotes 13:50-15:05**

*Chair: Il Jeon, Tomotake Yamakoshi, Yasushi Shinohara, Xiao-Mei Zhang*

13:50-14:20   **Wafer-Scale Crystalline Carbon Nanotube Films**

*Junichiro Kono*

Department of Electrical and Computer Engineering,

Department of Physics and Astronomy,

Department of Materials Science and Nano Engineering, Rice University

14:20-14:35   **Hybrid graphene/metal reflectarray for THz communications**

*Erik Einarsson*

Department of Electrical Engineering

Department of Materials Design and Innovation

The State University of New York, University at Buffalo

14:35-14:50   **Direct FC-CVD synthesis of Colorful and Conductive SWNT thin films**

*Esko I. Kauppinen*

School of Science

Department of Applied Physics, Aalto University

14:50-15:05   **Selective Synthesis of Single-Walled Carbon Nanotubes**

*Yan Li*

College of Chemistry and Molecular Engineering, Peking University

15:05-15:15 Break

**Poster Presentation 15:15-15:50**

*Chair: Tomotake Yamakoshi, Yasushi Shinohara*

15:15-15:50 Poster 1 min Presentation

**Next-generation Researchers 15:50-16:50**

*Chair: Yasushi Shinohara, Il Jeon, Xiao-Mei Zhang, Tomotake Yamakoshi*

15:50-16:05 **Solution-Processed Double-walled Carbon Nanotube Transparent Electrode for Perovskite Solar Cells**

*Il Jeon*

Department of Mechanical Engineering, School of Engineering,  
The University of Tokyo

16:05-16:20 **Thickness Optimization of Porous Silicon and Surface Passivation via Formation of Anodic SiO<sub>2</sub> for Solar Cells Application**

*Xiao-Mei Zhang*

Department of Chemical Science and Engineering; Department of  
Mechanical Engineering, Tokyo Institute of Technology

16:20-16:35 **Coherent manipulation of ultracold atoms in optical lattices**

*Tomotake Yamakoshi*

Institute for Laser Science, University of Electro-Communications

16:35-16:50 **Theoretical Study of Electron Dynamics under Intense Laser Field: Effects of Spatial Variation and Polarization of the Field**

*Yasushi Shinohara*

Photon Science Center, School of Engineering, The University of Tokyo

**Closing 16:50-17:00**

*Chair: Yuta Yoshimoto*

16:50-17:00 **Closing Remarks**

*Koichi Hishida*

Department of System Design Engineering, Keio University

**Poster Session 17:00-17:30**

*Chair: Xiao-Mei Zhang, Il Jeon*

17:00-17:30 Poster Session

**Social Gathering 17:30-19:00**

*Chair: Tomotake Yamakoshi, Yasushi Shinohara*

17:30-19:00 Social Gathering  
CIAiS Poster Awards