

# The International Workshop on Next Generation Solar Cells Towards Practical Applications for Celebrating the 15<sup>th</sup> Anniversary of SPD Laboratory

In June 2004, the SPD Laboratory, Inc., Japan has been established for dealing with the R&D on thin film formation and next generation solar cells by Dr. S. Kaneko just after retired from Shizuoka University. Fortunately the interchange between young scientists experienced in study abroad to Japan and us has been increasing through our ideas and products. The international workshop on next generation solar cells will be held in celebration of the SPD Laboratory 15th anniversary, as shown below.

**Organizing Committee:** Dr. Shoji Kaneko (SPD Laboratory, Chair), Prof. Kenji Murakami (Shizuoka University), Prof. Masaru Shimomura (Shizuoka University), Prof. Masayuki Okuya (Shizuoka University), Dr. P. V. Viraj Jayaweera (SPD Laboratory), Mr. Shin-ichi Ohta (SPD Laboratory)

**Advisory Committee:** Prof. Satoshi Uchida (University of Tokyo), Prof. Masamichi Yoshimura (Toyota Technological Institute)

**Location:** Sanaru Hall at Shizuoka University and SPD Laboratory, Johoku, Hamamatsu, Japan

**Date:** 13<sup>th</sup> (Fri) December, 2019

**Time:** 9:00 am - 6:00 pm

## Agenda

9:00 – 9:10 Opening Remarks by Dr. S. Kaneko

9:10 – 9:40 PL: Prof. S. Uchida (University of Tokyo, Japan)  
“Collaborative Works on PSC with SPD Laboratory”

9:40 – 10:05 IL-1: Dr. L. Cojocaru (University of Bordeaux, France)  
“Future Prospects of Photovoltaics and Power Storage”

10:05 – 10:30 IL-2: Prof. G.R.A. Kumara (National Institute of Fundamental Studies, Sri Lanka)  
“Carbon Electrodes for Solar Cells from Graphite Produced in Sri Lanka”

10:30 – 11:00 COFFEE BREAK

11:00 – 11:20 O-1 Prof. K. Murakami (Shizuoka University, Japan)  
“Synthesis and Characterization of Transparent Conductive Oxide Layers Prepared by Advanced SPD Technique”

11:20 – 11:40 O-2 Dr. S. Nonomura (University of Tokyo, Japan)  
“Importance of Interface Engineering for Organohalide Perovskite Solar Cells”

11:40 – 12:00	O-3 Dr. S. Shibayama (University of Tokyo, Japan) “Evaluation of Perovskite Crystals Using Synchrotron Radiation”
12:00 – 13:30	LUNCH & POSTER SESSION
13:30 – 13:50	O-4 Dr. Ajay Jena (Toin University of Yokohama, Japan) “Instability Issues of Perovskite Solar Cells”
13:50 – 14:10	O-5 Mr. K. Suwa (Waseda University, Japan) “Charge-Transporting Polymers for Highly Efficient Perovskite Solar Cells”
14:10 – 14:30	O-6 Dr. Kanishka De Silva (Toyota Technological Institute, Japan) "Fabrication of Conducting Graphene Films by the Defect Repair of Graphene Oxides"
14:30 – 14:50	O-7 Dr. P.V. Viraj Jayaweera (SPD Laboratory, Japan) “Instrumentation for DSC and PSC Research”
14:50 – 15:00	Closing Remarks by Prof. K. Murakami
15:15	Lab Tour and Demonstration at SPD Laboratory
18:00	GET TOGETHER at Italian restaurant "Mercato di Male" (Genmoku-cho, Naka-ku, Hamamatsu 430-0948, Tel: 053-474-5896)

Notes:

- 1) Registration fee is none, but the information of name and affiliation of all participants is encouraged in advance.
- 2) Shizuoka University, Hamamatsu Campus is located at about 3 km north from JR Hamamatsu Station, by bus and taxi available.
- 3) Inquiry to Dr. S. Kaneko at SPD Laboratory (E-mail: skaneko@spdlab.com).



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