

9th Workshop on the Future Direction of Photovoltaics
7-8 March 2013, Centennial Hall, Tokyo Institute of Technology
Tokyo, Japan

Tentative program

Organized by: The Japan Society for the Promotion of Science,
The 175th Committee on Innovative Photovoltaic Power Generating Systems

March 7, Thursday

Opening 10:00-10:10	Opening Remarks M. Konagai, Tokyo Tech, Chairman of the JSPS 175 th Committee	(Session Chairperson)
Plenary Session 10:10 -10:40	“Super-high efficiency triple junction solar cells” Tatsuya Takamoto, Sharp	(Session Chairperson)
Session 1 10:40-11:10	<i>Topics in Photovoltaics</i> Role of PV in European electricity markets A. Jaeger-Waldau (EC-JRC)	(Session Chairperson)
11:10-11:30	Status and Prospect of PV Market in Japan Izumi Kaizuka, RTS	
11:30-12:00	R&D Trends of Heterojunction Silicon Solar Cells in China Zhengxin Liu, Research Center for New Energy Technology, Shanghai Institute of Microsystem and Information Technology	
12:00-12:30	Si thin film technology applications for commercialization in LGE Heon-Min Lee, LGE Korea	
12:30-12:50	High efficiency of crystalline Si solar cell fabricated by the application of film Si technology K. Yamamoto, KANEKA	
13:00-14:00	<i>Lunch</i>	
Session 2 14:00-14:30	<i>Modules & Systems</i> The Status and Future of PV System Technology in China Honghua Xu, Institute of Electrical Engineering, Chinese Academy of Science	(Session Chairperson)
14:30-15:00	PV Status of Thailand -Policy, Research, Industry, Market- Dusit Kruangam, Thai Photovoltaic Industries Association (TPVA)	
15:00-15:30	Fire Hazard TBD	
15:30-16:00	Potential induced degradation (tentative) Norbert Lenck, Schott Solar	
16:00- 16:30	Measurement and Modelling of PV System performance Steve Ransome, Steve Ransome Consulting Ltd	
16:30-16:50	Report from DIVISION “Reliability and Systems” Kazuhiko Kato, AIST and Yuzuru Ueda, Tokyo Tech	
Session 3 16:50-17:10	<i>Fukushima PV Program</i> METI/AIST Fukushima PV Program M. Kondo (AIST)	(Session Chairperson)
17:10-17:30	MEXT/JST “FUTURE –PV Innovation” –Si Nanowire Solar Cells M. Konagai , Tokyo Tech	
18:15	<i>Reception</i>	

March 8, Friday

Session 4 10:00-11:00	Tutorial “Past, present and future of CIGS based thin-film solar cells” William N. Shafarman, IEC, University of Delaware	(Session Chairperson,)
Session 5 11:00-11:30 11:30-12:00	CZTS Solution processing of kesterite films for high-performance PV devices Mitzi, IBM Development of high efficiency CZTS submodules H. Sugimoto*, H. Hiroi, N. Sakai, S. Muraoka, C. Liao and T. Kato, Showa Shell Sekiyu K.K., Solar Frontier K.K.	(Session Chairperson,)
12:00-14:00	Lunch (Lab tour)	
Session 6 14:00-14:30 14:30-15:00 15:00-15:30 15:30-16:00 16:00-16:30	CZTS (Session Chairperson,) TBD Susan Schorr, Helmholtz-Zentrum Berlin CZTS thin film solar cells fabricated by sintering of spray-printed nanoparticles A. Yamada, Tokyo Tech TBD Susanne Siebentritt, Fabrication process for CZTS thin film solar cells H. Katagiri, Nagaoka National College of Technology, JST-CREST The chemical and electronic structure of kesterite thin-film solar cell absorbers as revealed by soft x-rays Marcus Bar, Helmholtz-Zentrum Berlin	