SAYURI-PV 2024 Workshop: Agenda　　As of : 2024/11/5

November 7th			Session	Presenter		Title / Remarks
9:00	Registration					
9:30	0:05	1	General Introduction	AIST	Takeshi Tayagaki	SAYURI-PV 2024
9:35	0:05	2	Welcome Address	AIST	Hideyuki Takagi, Director	
9:40	0:25	3	General (Chair: Takashi Oozeki, Takeshi Tayagaki)	Waseda University, AIST	Michio Kondo	New Era of PV Technologies and Markets and Requirements of New Standards
10:05	0:25	4		NREL	Michael Owen-Bellini	DuraMAT Program
10:30	0:25	5		PCCL	Gernot Oreski	Reliability challenges of new PV module designs
10:55	0:20	6		Q&A		
11:15	1:15	Lunch				
12:30	1:00	7	Poster session			
13:30	0:20	8	Silicon and Tandems (Chair: Michael Owen-Bellini, Takuya Matsui)	NREL	Peter Hacke	Mechanisms and performance linked with UV-induced degradation
13:50	0:20	9		UNSW	Bram Hoex	Recent insight in the reliability of silicon heterojunction and TOPCon solar cells and modules
14:10	0:20	10		Niigata University	Atsushi Masuda	Key materials and processes for highly reliable perovskite/silicon tandem photovoltaic modules
14:30	0:20	11		AIST	Yasuo Chiba	Annual trends of indoor output measurement results of crystalline silicon based photovoltaic modules exposed outdoors in Tosu city, Japan
14:50	0:20	12		Q&A		
15:10	0:30	Coffee Break				
15:40	0:20	13	Perovskite (Chair: Gernot Oreski, Shogo Ishizuka)	AIST	Takeshi Tayagaki	Insights into the reliability of perovskite solar cells from outdoor exposure, stress testing, and mobile ion analysis
16:00	0:20	14		Ritsumeikan University	Takashi Minemoto	Damp heat and high temperature test of flexible perovskite solar cell modules
16:20	0:20	15		NREL	Laura Schelhas	Assessing the Reliability of Metal Halide Perovskite Photovoltaic Modules with Accelerated Testing at the PACT Center
16:40	0:20	15		SNL	Joshua Stein	PACT's Quest to Develop a Preconditioning Protocol for Metal Halide Perovskite Photovoltaic Modules
17:00	0:20	16		KAUST	Stefaan De Wolf	Interface engineering for efficient and stable perovskite photovoltaics
17:20	0:20	17		Q&A		
17:40	End of 1st Day:					
18:00	Network Meeting					

November 8th			Session	Presenter		Title / Remarks
9:00	Registration					
9:30	0:20	18	BIPV/VIPV/Floating PV (Chair: Hitoshi Sai, Keiichiro Sakurai)	KANEKA	Kengo Maeda	Long-term reliability of new BIPV modules over 40 years
9:50	0:20	19		AIST	Hidenori Mizuno	VIPV research at AIST
10:10	0:20	20		University of Miyazaki	Kenji Araki	Testing, Modeling, and Rating: Unusual behavior of curved PV devices under non-ideal solar irradiance
10:30	0:20	21		Imec	Jonathan Govaerts	Interconnection, encapsulation and reliability for vehicle- and other integrated PV
10:50	0:20	22		TII	Min Hsian Saw	New Reliability Challenges of PV Modules for Floating Applications
11:10	0:20	23		Q&A		
11:30	1:30	Lunch				
13:00	0:20	24	Sustainability and Safety (Chair: Bram Hoex, Yasuo Chiba)	JAIST	Keisuke Ohdaira	Development of crystalline silicon photovoltaic modules without encapsulant
13:20	0:20	25		Tohoku　University	Yasushi Uematsu	Wind-induced failure and its mitigation of photovoltaic systems in Japan
13:40	0:20	26		Hokkaido University of Science	Takahiro Chiba	Snow Load acting on the Eaves of Photovoltaic Array Facilities Installed on Ground
14:00	0:20	27		AIST	Takashi Oozeki	Safety issue and prospects for PV systems in Japan
14:20	0:20	28		Q&A		
14:40	0:05	29	Closing	AIST	Takeshi Tayagaki	
14:45	Adjourn					
14:45	End of 2nd Day					

Poster presentation

November 7th						
12:30	1:00	1	Poster session	University of Miyazaki	Kenji Araki	Similarities and differences between Perovskite and III-V tandem solar cells in outdoor power generation behavior
		2		AGC	Takumi Nagasako	Improvement of hail resistance of cover glass for solar panel
		3		EneCoat Technologies	Tatsuro Kawamura	Degradation of perovskite solar cell performances owing to intentionally formed pinholes
		4		AIST	Tadanori Tanahashi	AC Impedance Characteristics and Modeling of Electrical Leakage Circuit Within a Photovoltaic Module
		5		AIST	Hitoshi Sai	Durability evaluation of structural colored glasses for BIPV by accelerated stress
		6		AIST	Takurou N. Murakami	AIST R&D for Commercialization of Perovskite Solar Cells
		7		AIST	Kohei Yamamoto	Development of Perovskite Solar Cells using Amorphous Indium Zinc Oxide substrate