

Program Monday, 30th September 2024

08:30 – 09:00	Opening Remarks by Conference Chair, Prof. Eva Unger	
Session 1 chaired by Dr. Carolin Ulbrich		
09:00 – 09:30	Invited Talk: Monica Lira-Cantu , Catalan Institute of Nanoscience and Nanotechnology	Indoor and outdoor stability studies of perovskite solar cells
09:30 – 10:00	Invited Talk: Iris Visoly-Fisher , Ben-Gurion Solar Energy Center	Solar stress test: evaluating perovskite n-i-p solar cell stability under outdoor operational conditions
10:00 – 10:30	Invited Talk: Laura Schelhas , NREL	Assessing the reliability of metal halide perovskite solar modules through accelerated testing and field deployment
10:30 – 10:45	Oral Talk: Renjun Guo , KIT	How synchrotron-based techniques help us understand perovskite-based solar cells
10:45 – 11:15 Coffee Break		
Session 2 chaired by Prof. Emil List-Kratochvil		
11:15 – 11:45	Invited Talk: Mike McGehee , University of Colorado Boulder	Preventing electrochemical reactions and managing stress to make robust perovskite solar cells
11:45 – 12:15	Invited Talk: Nitin P. Padture , Brown University	Connecting mechanical properties, reliability, and stability of perovskite solar photovoltaics
12:15 – 12:45 (online)	Invited Talk: Chang-Qi Ma , Chinese Academy of Sciences	Structure and stability of the intermixing amorphous phases of the bulk-heterojunction film in organic solar cells
12:45 – 13:00	Oral Talk: Aranzazu Aguirre , IMEC	Long-term outdoor performance of perovskite modules across diverse climate regions
13:00 – 13:10	Group photo	
13:10 – 14:00 Lunch Break		
Session 3 chaired by Dr. Alexander Colsmann		
14:00 – 14:15 (online)	Oral Talk: P.V.V. Jayaweera , SPD Lab, Japan	High speed analyzing system for optimizing the substantial power of perovskite solar cells with MPP tracking
14:15 – 14:30	Oral Talk: Jose Prince Madalaimuthu , Friedrich-Schiller- University Jena	Influence of amphiphilic additives in organic solar cells: towards long-term thermal stability
14:30 – 15:00	Invited Talk: Stephen Forrest , University of Michigan	Efficiency and lifetime of OPVs: limitations and opportunities
15:00 – 15:30	Invited Talk: Vida Engmann , Southern Denmark University	Vitamins for stable organic solar cells
15:30 – 16:00 Coffee Break		
16:00 – 17:50	VIPERLAB Roundtables (go to IRIS building)	
18:00 – 18:45	Poster Session and Snacks (go to IRIS building)	

Program Tuesday, 1st October 2024

08:30 – 09:00	Opening Remarks	
Session 1 chaired by Dr. Jens Hauch		
09:00 – 09:30	Invited Talk: Trystan Watson , Swansea University	Manufacture and weathering of fully printable perovskite modules
09:30 – 10:00	Invited Talk: Aleksandra B. Djurišić , University of Hong Kong	Stabilizing the perovskite films and devices under illumination
10:00 – 10:30	Invited Talk: Joe Berry , NREL	Priorities for metal halide perovskite photovoltaics: what are we really trying to do here?
10:30 – 10:45	Oral Talk: Damian Glowienka , Gdańsk University of Technology	Exploring the degradation mechanism of semitransparent perovskite solar cells
10:45 – 11:15	Coffee Break	
Session 2 chaired by Prof. Eva Unger		
11:15 – 11:45	Invited Talk: Julianna Panidi , Imperial College London	Sustainable organic solar cells
11:45 – 12:15	Invited Talk: Rongrong Cheacharoen , Chulalongkorn University	Sustainable materials to enable all-ambient fabrication of perovskite solar cells with carbon electrodes and enhanced stability
12:15 – 12:30	Oral Talk: César Omar Ramírez Quiroz , FOM Technologies	A 20,000 wafers per hour or a 2+ square meters perovskite-based industry? The role of slot-die in the future of photovoltaics
12:30 – 12:45	Oral Talk: Jonathan Henzel , TNO	The impact of low-intensity illumination on the reverse bias behavior of perovskite solar cells
12:45 – 13:00	Oral Talk: Luigi Angelo Castriotta , University of Rome Tor Vergata	Transition of perovskite solar technologies to being flexible
13:00 – 13:10	Industry Talk: Fredrik Krebs, InfinityPV	Solar laboratories: LBIC, LED solar simulators and MPPT tracking devices
13:10 – 14:00	Lunch Break	
Session 3 chaired by Dr. Natalia Maticiuc		
14:00 – 14:15	Young Investigator Talk: Roja Singh , KIT	Stability of perovskite solar cells with varied stoichiometries and morphologies under various stress conditions
14:15 – 14:30	Young Investigator Talk: Kenedy Tabah Tanko , Catalan Institute of Nanoscience and Nanotechnology	Stability analyses of perovskite solar cells under indoor, outdoor, and quasi-in-situ conditions
14:30 – 14:45	Young Investigator Talk: Olivier J.J. Ronsin , HI-ERN	Evolution of bulk heterojunction morphologies under thermal loading: insights from phase-field simulations
14:45 – 15:00	Young Investigator Talk: Bowen Yang , Uppsala University	Multifunctional sulfonium-based treatment for durable FaPbI_3 perovskite solar cells
15:00 – 15:15	Young Investigator Talk: Paul Pistor , Universidad Pablo de Olavide	Intrinsic thermal stability of metal halide perovskites across compositional variations
15:15 – 15:30	Young Investigator Talk: Kai Brinkmann , University of Wuppertal	Understanding how crystallization agents govern perovskite grain morphology
15:30 – 16:00	Coffee Break	
16:00 – 17:50	VIPERLAB Roundtables (go to IRIS building)	
18:00 – 18:45	Poster Session and Snacks (go to IRIS building)	

Program Wednesday, 2nd October 2024

08:30 – 09:00	Roundtable summary	
Session 1 chaired by Prof. Trystan Watson		
09:00 – 09:30	Invited Talk: Satoshi Uchida , University of Tokyo	Performance evaluation by mppt at low light intensity condition toward the indoor photovoltaics
09:30 – 10:00	Invited Talk: Wolfgang Tress , Zurich University of Applied Science	Slow open-circuit voltage, current and electroluminescence transients in perovskite solar cells
10:00 – 10:30	Invited Talk: Steve Albrecht , HZB	
10:30 – 10:45	Oral Talk: Pang Wang , University of Wuppertal	Universal photostability of non-fullerene organic solar cells in tandem architectures
10:45 – 11:15	Coffee Break	
Session 2 chaired by Prof. Cristoph Brabec		
11:15 – 11:45	Invited Talk: Artem Musiienko , HZB	Light/dark cycling of perovskite solar cells for accelerated indoor prediction of outdoor lifetime
11:45 – 12:15	Invited Talk: Francesca Brunetti , University of Rome Tor Vergata	Flexible perovskite solar cells and modules: strategies for stability under different aging environment
12:15 – 12:30	Oral Talk: Antonio Cabas Vidani , Zurich University of Applied Science	Distortion of parallel efficiency and stability measurements due to sample layout design
12:30 – 12:45	Oral Talk: Chrysi Stavragi , Aristotle University of Thessaloniki	Stability studies of flexible fully printed MaPbI ₃ perovskite solar cells through isos protocols
12:45 – 13:00	Oral Talk: Francesca De Rossi , University of Rome Tor Vergata	Polyurethanes for the encapsulation of flexible perovskite solar cells
13:10 – 14:00	Lunch Break	
Session 3 chaired by Dr. Mark Khenkin		
14:00 – 14:30	Invited Talk: Stephane Cros , CEA	Towards perovskite / silicon tandems reliability: characterization of ohmic shunt in the top cell and results of outdoor ageing
14:30 – 15:00	Invited Talk: Sofiia Kosar , KAUST	Strategies for improving stability of perovskite solar cells
15:00 – 15:15	Oral Talk: Yu-Chen Huang , Taiwan Univ. of Science and Technology	All vacuum deposition γ -CsPbI ₃ -GAI perovskite solar cells
15:15 – 15:30	Oral Talk: Philippe Holzhey , University of Oxford	Water- and heat-activated dynamic passivation for perovskite photovoltaics
15:30 – 16:00	Wrap Up and Awards with coffee	
16:00 – 17:30	Lab Tours	