

Workshop on Stable Hybrid Perovskite Materials for Photovoltaics Under Real-World Conditions (StabPeroWorkshop)

Fribourg, Switzerland, 2023 February 23rd

Conference organizers: Jovana Milic and Daniel Ramirez

Conference Program

February 23 rd - Day 1 (Thursday) 1	
08:00 - 09:00	Registration
09:00 - 09:15	nanoGe Introduction and opening
	Wolfgang Tress Chair: Jovana Milic
09:15 - 09:45 Tress-I1	<u>Wolfgang Tress</u> (<i>ZHAW - Institute of Computational Physics, 8401 Winterthur, Switzerland</i>) Perovskite Solar Cells under Real World Conditions
09:45 - 10:00	Discussion
10:00 - 10:30	Coffee break
	Monica Lira Cantu Chair: Jovana Milic
10:30 - 11:00 Cantu-I1	<u>Monica Lira-Cantu</u> (<i>Catalan Institute of Nanoscience and Nanotechnology (ICN2), CSIC and BIST, Campus UAB</i>) Strategies for the Analysis of Perovskite Solar Cells under Outdoor (ISOS-O) Conditions
11:00 - 11:15	Discussion
	Franklin Jaramillo Chair: Jovana Milic
11:15 - 11:45 Jaramillo-I1	<u>Franklin Jaramillo</u> (<i>Centro de Investigación y Desarrollo de Materiales (CIDEMAT), Universidad de Antioquia</i>), Esteban Velilla, Daniel Ramírez, Edwin Ramírez, Julian Gil Outdoor performance of perovskite solar minimodules: Ideality factor analysis and encapsulation challenges
11:45 - 12:00	Discussion
12:00 - 14:00	Lunch
	Antonio Abate Chair: Daniel Ramirez
14:00 - 14:30 Abate-I1	<u>Antonio Abate</u> (<i>Helmholtz-Zentrum Berlin</i>) Lead-Free Perovskite Solar Cells
14:30 - 14:45	Discussion
	Juan Bisquert Chair: Daniel Ramirez
14:45 - 15:15 Bisquert-I1	<u>Juan Bisquert</u> (<i>Institute of Advanced Materials (INAM), Universitat Jaume I, Castellón, Spain.</i>) Advances in kinetics processes of halide perovskite solar cells by neuron-style nonlinear model equations and electrooptical techniques
15:15 - 15:30	Discussion
15:30 - 16:00	Coffee Break
	Antonio Cabas Chair: Daniel Ramirez
16:00 - 16:30 Cabas-I1	<u>Antonio Cabas Vidani</u> (<i>Fluxim AG, 8400 Winterthur, Switzerland</i>), Sandra Jenatsch, Arno Gadola, Daniele Braga, Beat Ruhstaller Analysis of ionic charge carriers in FA-based perovskite and ageing of high-bandgap perovskite films and solar cells
16:30 - 16:45	Discussion
16:45 - 17:15	Panel Discussion "The future of perovskite solar cell stability in real-world conditions"
17:15 - 17:30	Closing
17:30 - 18:30	Ápero