UNIVERSITY OF LJUBLJANA
Faculty of Electrical Engineering

http://lpvo.fe.uni-lj.si/en/

Contributions by members of **Laboratory of Photovoltaics and Optoelectronics**

41st EU–PVSEC, 23 – 27 September 2024, Wien

4AO.8 PV Plant Performance, Analysis, Monitoring and Fault Detection …

Monday 15:15 Auditorium F — **4AO.8.6** Towards Higher Efficiency: Data Analysis and Optimization of PV String Wiring in a Long-Running Solar Power Plant — Žiga **Miklič**

3AV.3 PV Modules Performance: Testing, Modelling Techniques and Outdoor Performance

Monday 17:00 poster — **3AV.3.25** Accurate Energy Performance Model for Bifacial PV Modules — Kristijan **Brecl**

2BV.1 Advances in Novel Materials, Devices and Concepts | New Model. and Charact. T.

Tuesday 08:30 poster — **2BV.1.39** Perovskite Solar Cell Light-Soaking and Relaxation Modelling for Improved Energy Yield Predictions in Indoor Environments — Matija **Pirc**

2CO.2 Triple Junctions and Advanced Concepts in Perovskite-based Tandems

Wed. 15:15 Auditorium F — **2CO.2.5** Characterisation of Degradation Pathways of 3-Terminal Perovskite-Silicon Tandems After Outdoor Monitoring — Miha **Kikelj**

2CV.3 Perovskite-based Tandem Upscaling and Industrialisation

Wed. 17:00 poster — **2CV.3.17** Potential Induced Degradation Free Perovskite-Silicon Tandem Solar Cells — Kristijan **Brecl**

Wed. 17:00 poster — **2CV.3.18** Experimental Analysis and Modelling of Metastability Behavior in Perovskite-based Solar Cells for Accurate Energy Yield Estimation in Real-world Operating Conditions — Špela **Tomšič**

Wed. 17:00 poster — **2CV.3.38** Al2O3 Capping Layer for Improved Performance of Perovskite Solar Cells — Žan **Ajdič**

5DV.3 PV Diversification Upstream and Downstream

Thu. 13:30 poster — **5DV.3.43** Challenges of Energy Communities at Universities – A Virtual Approach — Matevž **Bokalič**