

## International Conference on Perovskite Thin Film Photovoltaics and Perovskite Photonics and Optoelectronics (NIPHO26)

**Pavia, Italy, 2026 June 8th - 9th**

**Conference organizers: Giulia Grancini, Feng Gao and Robert Hoyer**

### Conference Program

#### June 8th - Day 1 (Monday) 1

08:30 - 09:20 **Registration**

09:20 - 09:30 **Opening**

#### Session 1.1

Chair: Giulia Grancini

09:30 - 10:00 Aldo Di Carlo (CNR-ISM, Institute of Structure of Matter, Consiglio Nazionale delle Ricerche, Rome, Italy.)  
1.1-11

Toward Green Processing of Halide Perovskite Photovoltaics

10:00 - 10:15 Tino Lukas (University of Oxford, Department of Physics, Parks Road, Oxford OX1 3PU, U.K.)  
1.1-01

Beyond the Gold Standard: Towards Industrially Viable Electrodes for Durable Perovskite Solar Cells

10:15 - 10:45 Aurora Rizzo (CNR NANOTEC-Istituto di Nanotecnologia, c/o Campus Ecotekne, Via Monteroni, Lecce, 73100 Italy)  
1.1-12

Ambient Air Deposition of Perovskite Films for Solar Cells

10:45 - 11:30 **Coffee Break**

#### Session 1.2

Chair: Feng Gao

11:30 - 12:00 Felix Lang (Institute of Physics and Astronomy, University of Potsdam, Karl-Liebknecht-Straße 24-25, D-14476 Potsdam-Golm)  
1.2-11

Identifying stability-limiting mechanisms of perovskite-based single and tandem PV for Earth and Space

12:00 - 12:15 Minwoo Lee (The Australian Centre for Advanced Photovoltaics (ACAP), School of Photovoltaic and Renewable Energy Engineering, University of New South Wales, Sydney 2052, Australia)  
1.2-01

Dual-Passivation with Cerium Oxide for Enhanced Proton Radiation Tolerance in Perovskite Solar Cells

12:15 - 12:30 Aida Drevilkauskaitė (Department of Organic Chemistry, Kaunas University of Technology, Kaunas, Lithuania)  
1.2-02

Towards the Perfect SAM: Structure-Property Relationship Investigations

12:30 - 12:45 Simone Filippi (Department of Chemistry and INSTM, University of Pavia, Via T. Taramelli 1,4, 27100 Pavia, Italy)  
1.2-03

Low-Temperature Stabilization of MA-Free FAPb<sub>3</sub> via Binary Solvents and Cesium Doping

12:45 - 13:15 Ulrich Paetzold (Karlsruhe Institute of Technology KIT)  
1.2-12

TBC

13:15 - 15:00 **Lunch**

#### Session 1.3

Chair: Robert Hoyer

15:00 - 15:30 Feng Wang (Department of Physics Chemistry and Biology (IFM) Linköping University, Linköping 58183, Sweden)  
1.3-11

Toward Stable Spiro-OMeTAD for Perovskite Solar Cells

15:30 - 15:45 Ugur Deneb Yilmazer Menda (I3N/CENIMAT, Department of Materials Science, NOVA School of Science and Technology and CEMOP/UNINOVA, Campus de Caparica, 2829-516 Caparica Portugal)  
1.3-01

Beyond Glass: Perovskite Solar Cells on Paper and Ultrathin Flexible Substrates

15:45 - 16:00 Roberto Bigoni (Department of chemistry & INSTM, Università di Pavia)  
1.3-02

Thickness-Engineered FAPb<sub>3</sub> Absorber Layer With Average Visible Transparency above 24%

16:00 - 16:15	<u>Guillem Álvarez Pérez</u> ( <i>Institut Photovoltaïque d'Ile-de-France (IPVF), F-91120 Palaiseau, France</i> )
1.3-03	Coupled Characterization and Physics-Based Modelling of Ageing and Recovery in Perovskite Solar Cells Under Dark and Light Conditions
16:15 - 16:45	<u>Chieh-Ting Lin</u> ( <i>Department of Chemical Engineering, National Chung Hsing University, 145 Xingda Road, Taichung, 402-27, Taiwan</i> )
1.3-12	Interface Engineering and HTL-Free Design in Hybrid Sn-Pb Perovskite Solar Cells
16:45 - 18:30	<b>Poster Session</b>
19:30 - 21:00	<b>Social Dinner</b>

## June 9th - Day 2 (Tuesday) 2

### 09:20 - 09:30 **Announcement of the day**

#### **Session 2.1**

Chair: Robert Hoyer

- 09:30 - 10:00 Sonia Ruiz Raga (*Catalan Institute of Nanoscience and Nanotechnology, ICN2, CSIC and The Barcelona Institute of Science and Technology (BIST) Campus UAB, Bellaterra, Barcelona, Spain.*)  
2.1-11 Insights into the degradation mechanisms of perovskite solar cells with in-situ XRD and Impedance Spectroscopy
- 10:00 - 10:15 Mateusz Pawlak (*University of Warsaw, Faculty of Chemistry*)  
2.1-01 Highly Dissymmetric Circularly Polarized Luminescence of Perovskite Nanocrystals Assembled in a Hierarchical Mesogenic Template
- 10:15 - 10:45 Adriana Pietropaolo (*University of Catanzaro*)  
2.1-12 Theory-Guided design of Luminescent Chiral Halide Perovskites

### 10:45 - 11:30 **Coffee Break**

#### **Session 2.1**

Chair: Feng Gao

- 11:30 - 12:00 Nakita K Noel (*Department of Physics, University of Oxford, Clarendon Laboratory, Parks Road, Oxford, OX1 3PU, United Kingdom*)  
2.1-11 Tackling Material Instabilities in Halide Perovskites: Kinetic Pathways and Nanoscale Mixing
- 12:00 - 12:15 Susmita Mukherjee (*Postdoc fellow at Sungkyunkwan University, Department of Energy Science*)  
2.1-01 Altering the Optoelectronic Properties of the PEDOT:PSS Hole Transport Layer with Sodium Polystyrenesulfonate to Enhance the Efficiency and Stability of Perovskite Light-Emitting Diode
- 12:15 - 12:30 DIPANWITA ROY (*Department of Molecular Chemistry and Materials Science, Weizmann Institute of Science, 7610001 Rehovot, Israel.*)  
2.1-02 Exploring Perovskite Nanorods For Quantum Light Source-based Applications
- 12:30 - 12:45 Veena VP (*IIT Bombay*)  
2.1-03 Tailoring Crystal Growth Via Solvent Engineering in CsPbBr<sub>3</sub> Perovskites for High Structural Quality and Stable Emission
- 12:45 - 13:15 Yi Hou (*National University of Singapore, Singapore*)  
2.1-12 Upscaling Perovskite-Silicon Tandems: From Lab Cell to Industrial G12H Wafer

### 13:15 - 15:00 **Lunch**

#### **Session 2.3**

Chair: Giulia Grancini

- 15:00 - 15:30 Sascha Feldmann (*Laboratory for Energy Materials, École Polytechnique Fédérale de Lausanne (EPFL)*)  
2.3-11 Tracking charge, spin and light polarization in space & time for photovoltaics and beyond
- 15:30 - 15:45 Kai-Chun Chang (*Department of Chemical Engineering, National Chung Hsing University, 145 Xingda Road, Taichung, 402-27, Taiwan*)  
2.3-01 Overcoming HTL Limitations: Interfacial Engineering and n-Doped HTL-Free Architectures in Perovskite Photodetectors
- 15:45 - 16:00 Kuntal Singh (*School of Applied & Interdisciplinary Sciences Indian Association for the Cultivation of Science, Jadavpur, Kolkata 700032, India*)  
2.3-03 Unveiling the Role of Double A-Site Cation Engineering in Perovskite-Inspired Materials for Efficient Self-Powered Photodetection and Indoor Photovoltaics
- 16:00 - 16:15 Dr. Charu Dubey (*University of Technology*)  
2.3-02 Enhanced Stability and Photodetection Performance of CsPbBr<sub>3</sub> Nanosheets via Silica Encapsulation and Plasmonic Engineering
- 16:15 - 16:45 Marcello Righetto (*Department of Chemical Science, Università degli Studi di Padova, Via Marzolo 1, I-35131 Padova, Italy*)  
2.3-12 Charge-carrier transport and recombination in perovskite-inspired materials

### 16:45 - 17:00 **Closing and Awards Ceremony**