

## TENTATIVE PROGRAM (as of 03/11/2021)

P: Plenary / K: Keynote lecture / I: Invited Lecture / O: Oral contribution

Conference Time Zone – Madrid, Spain (GMT+1)



### Wednesday (03/11/2021)

- 09:00 – 09:45: **Michael Graetzel** (EPFL, Switzerland) P  
 Innovative spacer molecules for 2D perovskites enhance PV performance
- 09:45 – 10:25: **Stefaan De Wolf** (KAUST, Saudi Arabia) K  
 Perovskite tandem solar cells
- 10:25 – 11:00: *Break*
- 11:00 – 11:30: **Antonio Agresti** (Università degli Studi di Roma “Tor Vergata”, Italy) I  
 Title to be defined
- 11:30 – 12:00: **Sebastiano Bellani** (BeDimensional, Italy) I  
 Solution-processed 2D materials for perovskite solar cells
- 12:00 – 12:15: **Yang Li** (Institute of Microstructure Technology, Karlsruhe Institute of Technology, Germany) O  
 Photoluminescence and Amplified Spontaneous Emission in Quasi-2D and 3D Perovskite: Influences of Excitonic Versus Free Carrier Emission
- 12:15 – 12:45: **Danila Saranin** (NUST MISIS, Russia) I  
 2D materials for stabilization of p-i-n perovskite solar cells
- 12:45 – 14:00: *Lunch Break*
- 14:00 – 14:30: **Piotr Cegielski** (AMO GmbH, Germany) I  
 Perovskite On-Chip Lasers for Photonic Integrated Circuits
- 14:30 – 15:00: **George Kakavelakis** (University of Cambridge / CGC, UK) I  
 Perovskite solar cells based on layered materials
- 15:00 – 15:30: **Hanna Pazniak** (University of Duisburg-Essen, Germany) I  
 Mastering MXenes Properties for Application in Perovskite Solar Cells
- 15:30 – 16:10: **Barry P. Rand** (Princeton University, USA) K  
 Brighter metal halide perovskite light emitting diodes via heat management
- 16:10 – 16:40: *Break*
- 16:40 – 17:10: **Ferry Prins** (UAM / IFIMAC, Spain) I  
 Exciton Transport in 2D Metal-Halide Perovskites
- 17:10 – 17:50: **Wanyi Nie** (Los Alamos National Laboratory, USA) K  
 Carrier transport and device applications of 2D perovskite materials
- 17:50 – 18:05: **Eugenia Vasileiadou** (Northwestern University, USA) O  
 Stability of 2D Hybrid Lead Halide Perovskites: Perspective from Bulk Crystals and Thin Films



**Thursday (04/11/2021)**

09:00 – 09:40: **Giulia Grancini** (Università degli studi di Pavia, Italy) K  
Understanding and Optimizing Interface Energetics and Processes: an essential step towards efficient and stable 2D/3D perovskite solar cells

09:40 – 09:55: **Saba Gharibzadeh** (Karlsruhe Institute of Technology, Germany) O  
Simultaneous Interfacial and Grain-Boundary Passivation for Highly Efficient Inverted Methylammonium-Free Perovskite Solar Cells

09:55 – 10:10: **Yury Kapitonov** (St.Petersburg State University, Russia) O  
Hybrid Organic-Inorganic Halide Post-Perovskite 3-Cyanopyridinium Lead Tribromide

10:10 – 10:25: **Mala Maruthi** (Indian Institute of Technology, India) O  
Broad emission from the structural distortions induced by substituting trivalent element  $Sb^{3+}$  in low dimensional halide perovskites

10:25– 11:00: *Break*

11:00 – 11:30: **Byungha Shin** (KAIST, Korea) I  
Efficient, Stable Silicon Tandem Cells Enabled by Anion-engineered Wide-Bandgap Perovskites Semiconductor Series

11:30 – 12:10: **Shengzhong Liu** (Shaanxi Normal University, China) K  
Title to be defined

12:10 – 12:25: **Kshetra mohan Dehury** (Indian Institute of Technology Delhi, India) O  
Linear and Nonlinear Optical Excitons in Primary Cyclic Ammonium Based Inorganic-Organic Hybrid

12:25 – 13:00: ePoster Session

13:00 – 14:00: *Lunch Break*