7TH INTERNATIONAL CONFERENCE ON PEROVSKITE SOLAR CELLS AND OPTOELECTRONICS - PSCO



PROGRAM

From 16thto 18th September 2024 Hotel Giò - Centro Congressi Perugia, Italy

SCIENTIFIC COMMITTEE

PSCO 2024

Henry Snaith

University of Oxford, UK

Filippo De Angelis

University of Perugia, Italy

Annamaria Petrozza

IIT, Italy

Md. K. Nazeeruddin

EPFL, Switzerland



INVITED LECTURES

PSCO 2024

Aldo Di Carlo

ISM-CNR, IT

Annalisa Bruno

NTU, SG

Atsushi Wakamiya

Kyoto University, JP

Edoardo Mosconi

University of Perugia, IT

Henry Snaith

University of Oxford, UK

Hyunjung Shin

SKKU, KR

Jianpu Wang 王建浦

Nanjing Tech University, CN

Jinsong Huang

University of North Carolina, US

Kai Zhu

NREL, US

Lorenzo Malavasi

University of Pavia, IT

Maksym Kovalenko

ETH, CH

Marina S. Leite

University of California, US

Md. K. Nazeeruddin

EPFL, CH

Michael Grätzel

EPFL, CH

Monica Lira Cantu

ICN₂, ES

Paola Vivo

Tampere University, FI

Prashant Kamat

University of Notre Dame, US

Sam Stranks

University of Cambridge, UK

Seigo Ito

University of Hyogo, JP

Stefan Glunz

University of Freiburg, DE

Ute Cappel

Uppsala University, SE

Xiaodan Zhang

Nankai University, CN



Day 1 - Monda	av. Sentem	ber 16th	2024
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-			Day 1 - Monday, September 16th, 2024	
			Annamaria Petrozza, Istituto Italiano di Tecnologia, Italy	
	08:00	08:30	WELCOME & REGISTRATION	
	08:30	08:45	Welcome marks by Dr. Annamaria Petrozza	
	08:45	09:00	1° PERSEPHONe Speaker Yarong He, Photophysical properties of 2D tin perovskites	
	09:00	09:15	2° PERSEPHONe Speaker Chunsheng Wu , Istituto Italiano di Tecnologia, Italy Simulated emission in perovskite: defects Management and Thin-Film Stoichiometry	
	09:15	09:30	3° PERSEPHONe Speaker Oscar Adrian Jimenez Gordillo, Nokia Solutions and Networks Italia s.p.a, Italy From ESR to industry: a tale of two worlds	
	09:30	09:45	4° PERSEPHONe Speaker Ece Aktaş , University of Naples Federico II, Italy Tin-based perovskite solar cell performances with self-assembled monolayer in dmso-free solvent system	
	09:45	10:00	5° PERSEPHONe Speaker Yu Wang , Linköping University, Sweden Evaluation of multifunctional ion migration in perovskite LEDs	
	10:00	10:15	6° PERSEPHONe Speaker Isabella Antony Kalluvila Justin , University of Valencia, Spain Effect of coevaporated dopants on the photoemission of lead halide perovskites	
	10:15	10:30	7° PERSEPHONe Speaker David Otto Tiede , Institute of Materials Science of Seville, Spain Slow Charge Carrier Cooling in Ligand-free Quantum Dot Solids - Elucidating the Influence of Interparticle Interaction	
	10:30	10:50	COFFEE BREAK	
	10:50	11:05	8° PERSEPHONe Speaker Amit Kumar , University of Oxford, United Kingdom Ethanol Based Solvent System for FAPbi3 p-i-n solar cells	
	11:05	11:20	9° PERSEPHONe Speaker Teresa Stefanini , Istituto Italiano di Tecnologia, Italy Flexible photodetector based on CsPbBr3 perovskite-polymer composite film	
	11:20	11:20 11:35 10° PERSEPHONe Speaker Federico Fabrizi , AMO GmbH, Germany Scalable Patterning Technique for Metal Halide Perovskites Integration On-Chip Devices		
	11:35	11:50	11° PERSEPHONe Speaker Virginia Oddi , IBM, ETH, Switzerland Perovskite quantum dots in a tunable microcavity	
	11:50	12:05	12° PERSEPHONe Speaker Aditya Bhardwaj , DECTRIS, Switzerland Re-assessment of Bismuth Halide based hard radiation detectors	
12:05 12:20 13° PERSEPHONe Speaker Shaoni Kar , Helio Display Materials, University of Oxford, United Kingdom Dimethylammonium-incorporated perovskite nanocrystals for bright and efficient red LEDs				
	12:20	13:30	REGISTRATION & LIGHT BUFFET LUNCH	
	13:30	13:45	OPENING CEREMONY by Prof. Filippo De Angelis	
			Session 1 - Invited Lectures Town Hall	
	Sess	ion Chair:	Filippo De Angelis, University of Perugia, Italy	
	13:45	14:10	1° INVITED LECTURE - Michael Graetzel , EPFL, Switzerland Catalyzed formation of pure α-fapbi3 under ambient conditions for high performance perovskite photovoltaics	
	14:10	14:35	2° INVITED LECTURE - Sam Stranks , University of Cambridge, United Kingdom Operando Studies of Halide Perovskite Devices	
	14:35	15:00	3° INVITED LECTURE - Jianpu Wang, Nanjing Tech University, China Perovskite LEDs for Lighting and Displays	
	15:00	15:25	4° INVITED LECTURE - Stefan Glunz , Fraunhofer ISE, University of Freiburg, Germany Characterization and simulation of perovskite-silicon tandem solar cells and modules	
	15:25	15:50	5° INVITED LECTURE - Kai Zhu , National Renewable Energy Laboratory, United States <i>Towards outdoor operation of perovskite solar cells</i>	
	15:50	15:55	HALOCELL (5 mins)	
1	15:55	15:53	WAVELABS (3 mins)	

15:53	16:25	COFFEE BREAK
		Maksym Kovalenko, ETH Zurich, Switzerland
16:25	16:50	6° INVITED LECTURE - Jinsong Huang , University of North Carolina, Chapel Hill, United States Understanding the Multiple-Facet Degradation Pathways in Metal Halide Perovskite Solar Cells
16:50	17:15	7° INVITED LECTURE - Aldo Di Carlo , ISM-CNR, Italy Large area halide perovskite modules and panels: from interface engineering with two-dimensional materials to outdoor testing
17:15	17:40	8° INVITED LECTURE - Marina Leite , UC Davis, Italy Machine learning driven analysis of halide perovskites
17:40	18:05	9° INVITED LECTURE - Lorenzo Malavasi , University of Pavia, INSTM, Italy Metal halide perovskites: a materials chemistry perspective from design to applications
18:05	18:30	10° INVITED LECTURE - Annalisa Bruno , NTU, Singapore Advanced Device Customization and Quantum Confinement Using Thermal Evaporation of Metal-Halide Perovskites
18:30	18:37	COMFORT BREAK
		Poster Pitch Presentations (2 minutes each) Town Hall
Ses	sion Chair:	Daniele Meggiolaro, CNR-SCITEC, Italy
18:37	18:39	Lorenzo Squillantini, CNR, Italy The role of carbon-based nanomaterials as additives in improving the performance of hybrid perovskite solar cells
18:39	18:41	Selene Matta, University of Cagliari, Italy Space-confined 2Dand quasi-2D halide perovskite single crystals
18:41	18:43	Lukasz Przypis, Wrocław University of Science and Technology, Poland Additive-Assisted Synthesis of Tin(II) lodide: A Key Factor for Stable Large-Area Lead-Free Perovskite Solar Cells
18:43	18:45	Yassine Raoui, CHOSE, University of Rome Tor Vergata, Italy Efficient Inverted Semi-Transparent Perovskite Solar Cells based on scalable Solution-Processed Hole Transport Layer toward 4T tandem integration
18:45	18:47	Erica Magliano, CHOSE, University of Rome Tor Vergata, Italy Solution-Processed Buffer Layer for Monolithic Perovskite/Silicon Tandem Solar Cells with Unpolished Rear Surface Silicon Heterojunction
18:47	18:49	Shaoni Kar, Helio Display Materials, University of Oxford, United Kingdom Dimethylammonium-incorporated mixed halide perovskite nanocrystals for stabilized red emission
18:49	18:51	David Otto Tiede, Institute of Materials Science of Seville, Spain Revisiting Time Resolved Measurements - How Amplitude Derivatives Reveal Hidden Global Recombination Mechanisms
18:51	18:53	Amin Hasan Husien, University of Milano-Bicocca, Italy Chalcogenide-based hole transport material for stable perovskite solar cells
18:53	18:55	Sam Teale, University of Oxford, United Kingdom Monolithic perovskite tandem photovoltaics optimised for maximum energy yield
18:55	18:57	Elisa Nonni, Solertix s.r.l., Italy Techniques for low-cost upscaling of bifacial 4 terminal perovskite-silicon tandem
18:57	18:59	Rahul Ajit Nambiar, University of Oxford, United Kingdom Interdiffusion control in sequentially evaporated inorganic-organic fully vacuum deposited perovskite solar cells
18:59	19:01	Cristina Teixeira, NOVA University of Lisbon, Portugal Solar-to-fuel modelling: Simulating the coupling of a Perovskite Solar Cell with an electrolyzer for renewable syngas production
19:01	19:03	Hadi Rostamzadeh Kalkhoran, Eindhoven University of Technology, Netherlands Characterization of quasi-reversible performance losses in an outdoor perovskite solar cell under partial shading
19:03	19:05	Roland Clausing, Institute for Solar Energy Research Hamelin ISFH, Germany Fast and scalable two-step pin-FAxCs1-xPbl3-x-yBry formation via gas-transport deposition for single-junction and tandem application
19:05	19:07	Yasuhiro Miura, Hamamatsu University School of Medicine, Japan A Strategy for Fabricating Two-Dimensional Hybrid Perovskite Ultra-Thin Films Utilizing Langmuir-Blodgett and Intercalation Methods
19:07	21:00	POSTER SESSION & BUFFET DINNER

P\$CO 2024

Days	Tuesday,	Cantam	hav 1 7+h	~~~ <i>^</i>
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	Day 2 - Tuesday, September 17th, 2024				
Session Chair:		on Chair:	Lorenzo Malavasi, University of Pavia, INSTM, Italy		
	08:30	08:55	11° INVITED LECTURE - Henry Snaith , University of Oxford, United Kingdom <i>TBD</i>		
	08:55	09:20	12° INVITED LECTURE - Monica Lira Cantu , ICN2, Spain Indoor and outdoor stability studies of perovskite solar cells		
ı	09:20	09:45	13° INVITED LECTURE - Edoardo Mosconi , CNR-SCITEC Perugia, Italy Computational modeling of perovskite for photovoltaics and photocatalysis		
	09:45	10:10	14° INVITED LECTURE - Maria Antonietta Loi, University of Groningen, Netherlands Scalable deposition of lead-tin perovskite solar		
	10:10	10:13	NIREC	OS (3 mins)	
	10:13	10:16	GREATCELL	SOLAR (3 mins)	
Į	10:16	10:50		EEE BREAK	
ı	Sessio	on Chair:	Monica Lira Cantu, ICN2, Spain		
	10:50	11:15	15° INVITED LECTURE - Prashant Kamat , University of Notre Dame, France Impact of ion migration on perovskite solar cell performance		
	11:15	11:40	16° INVITED LECTURE - Xiaodan Zhang , Nankai University, China <i>Inorganic perovskite solar cells and its application in tandem solar</i>	cells	
	11:40	12:05	17° INVITED LECTURE - Maksym Kovalenko , ETH Zurich, Switzerla Engineering perovskite nanocrystals as quantum light sources	nd	
	12:05	12:08	MBRAU	JN (3 mins)	
	12:08	12:11		ENI (3 mins)	
	12:11	13:35		JFFET LUNCH	
			Special Session - Management o	f lead use in perovskite photovoltaics	
	13:35	13:50	Markus Lenz, FHNW, Switzerland Management of Lead Use in Perovskite Photovoltaics		
	13:50	14:00	Johannes Sutter, Karlsruher Institut für Technologie, Germany Green Solvents for Inkjet-Printed Perovskite-Based Photovoltaics		
	14:00	14:10	Dalila Rocco , University of Applied Sciences and Arts North-western Switzerland, Switzerland Indium and silver recovery from thin film solar cell waste by means of nanofiltration		
	14:10	14:20	Bastien Vallat, University of Applied Sciences Northwestern Switzerland, Switzerland Assessing lead leaching from perovskite solar cells more realistically		
	14:20	14:30	Jonas Hanisch , Zentrum für Sonnenenergie- und Wasserstoff-Fors Slot-die coating of flexible perovskite solar cells with green solvents		
	14:30	14:35	COMF	ORT BREAK	
			Session 1A Town Hall	Session 1B Trumpet	
			Ute Cappel, Uppsala University, Sweden	Sam Stranks, University of Cambridge, United Kingdom	
	Sessi	ion Title:	Phase Stability	Tandem PV	
	14:35	14:47	Jiajia Suo , Uppsala University, Sweden Multifunctional sulfonium-based treatment for perovskite solar cells with a non-degraded 4500-h operational stability	Melissa Fitzsimmons, University of Cambridge, United Kingdom All-perovskite tandem solar cells with optimised interconnecting layer	
	14:47	14:59	Tino Lukas , University of Oxford, United Kingdom Using the synergies: Carbon-Based Electrodes and ALD-SnOx for Efficient Inverted Perovskite Solar Cells	Oussama Er-raji, Fraunhofer ISE, Germany Fully-textured perovskite silicon tandems: from groundwork to efficient solar cells	
	14:59	15:11	Simon Ternes , CHOSE, University of Rome Tor Vergata, Italy Toward feedback-controlled solution printing of perovskite photovoltaics	Wiktor Żuraw , Saule Research Institute, Poland Large-area flexible all-perovskite tandem solar modules obtained by solvent engineering	
r	15:11	15:23	Riccardo Pau, University of Cagliari, Italy Solution-Processed Cul as hole transport layer for improved efficiency and stability	Paola Delli Veneri, ENEA, Italy Dopant-free c-Si Heterojunction for silicon/perovskite tandem solar cells	

	15:23	15:35	David McMeekin , University of Oxford, United Kingdom Intermediate-phase engineering via dimethylammonium cation additive for stable perovskite solar cells	Seongrok Seo, University of Oxford, United Kingdom Efficient Charge Carrier and Light Management for Perovskite-Silicon Tandem Solar Cell Through Controlling Electron Transporting Contact
	15:35	15:47	Bowen Yang , Uppsala University, Sweden From solution chemistry to device fabrication: a universal additive for high efficiency and stability perovskite solar cell s	Fabio Matteocci, University of Rome Tor Vergata, Italy Strategies to manipulate AVT and PCE in wide bandgap perovskite solar cells for semitransparent two-terminal PSC-OPV tandem modules
	15:47	15:59	Susana Ramos Terron, University of Cordoba, Spain Modulation of stability and efficiency in 2d/3d perovskite solar devices by the molecular geometry of bulky diammonium cation	Dong Zhang, Swift Solar, United States Endeavors on commercialization of perovskite-silicon tandem photovoltaics at Swift Solar
	15:59	16:11	Viktor Škorjanc, HZB GmbH, Germany Simple templating step improves uniformity and increases efficiency of co-evaporated wide band gap perovskite solar cells	Mohammad Gholipoor, Karlsruhe Institute of Technology, Germany Highly-efficient textured three-terminal perovskite/silicon tandem solar cells
	16:11	16:23	Hashini Perera, University of Surrey, United Kingdom Improving Stability of Perovskite Solar Cells on Self Assembled Monolayers by Surface Modification	Marcel Roß, Helmholtz-Zentrum Berlin (HZB), Germany Impact of high deposition rates on co-evaporated perovskite-absorbers for monolithic silicon tandem solar cells
	16:23	16:53	COFF	EE BREAK
			Session 2A Town Hall	Session 2B Trumpet
	Session	n Chair:	Aldo Di Carlo, ISM-CNR, Italy	Annalisa Bruno, NTU, Singapore
	Sessio	on Title:	Material processing & optoelectronic properties	Materials' device and their stability
	16:53	17:05	Vikram , University of Oxford, United Kingdom Atomistic insights into silanes as effective passivating agents for halide perovskite surfaces	Feng Wang, Linköping University, Sweden Improve the stability of doped spiro-OMeTAD
l	17:05	17:17	Hayley Gilbert, University of Cambridge, United Kingdom Linking Chemical and Optoelectronic Properties of Alloyed Perovskites using Optical and X-ray Spectro-microscopy	Tadas Malinauskas , Kaunas University of Technology, Lithuania Electron and hole selective self-assembling monolayers for perovskite solar cells
	17:17	17:29	Valentino Romano, Politecnico di Milano, Italy Spin relaxation in layered perovskites: a time-resolved faraday rotation study	Yuttapoom Puttisong, Linköping University, Sweden Spin-Active Center Vanadium V^(4+) Complexes in Halide Double Perovskites Cs2NaInCl6 bulk crystals
ı	17:29	17:41	Fanny Baumann, Inst Catala De Nanociencia & Nanotecnologia (ICN2), Spain In-situ characterization on operating perovskite solar cells under accelerated stress – expansive strain related to initial degradation	Heyong Wang , Istituto Italiano di Tecnologia, Italy Advancing Perovskites in Optoelectronic Technologies through Carrier Dynamics-Informed Optimization Strategies
	17:41	17:53	Cristian Adrian Villalobos Meza, imec, Belgium A versatile perovskite deposition method for efficient and stable perovskite solar cells across a wide range of compositions	Fengning Yang, University of Oxford, United Kingdom Unveiling the imapct of electronic and material degradation for inverted perovskite solar cell via inhomogeneous buried interface
	17:53	18:05	Valerio Stacchini, Helmholtz-Zentrum Berlin (HZB), Germany Electron Selective Monolayers in Perovskite Solar Cells - Advanced Characterization	Sara Covella, University of Bari, Italy Plasma-driven engineering of metal halide perovskite interfaces for photovoltaic applications
	18:05	18:17	Dane deQuillettes , Optigon, Inc., United States Non-contact characterization of perovskites: relating material properties to device performance	Shivam Singh, TU Dresden, Germany Impact of buried interface texture on ion migration in perovskite solar cells
	18:17	18:29	Paul Fassl , Karlsruhe Institute of Technology, Germany Thermally evaporated perovskites: conceptual advantages and challenges to accelerate absorber deposition	Gerrit Boshloo , Uppsala University, Sweden Charge trapping at the SnO2 / perovskite interface and its implementations for solar cells
	18:29	18:41	Sofía Chozas Barrientos , University of Valencia , Spain <i>Vacuum deposited perovskites single junction and tandem</i> <i>photovoltaic</i>	Matthew Leyden, Helmholtz-Zentrum Berlin, Germany Modified hole transport layers for improved efficiency in evaporated perovskite solar cells
	18:41	20:00	POSTER SESSION	N - SOCIAL APERITIVO
	00.00	20.00		
	20:00	22:00	SOCIA	AL DINNER

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	Day 3 - Wednesday, September 18th, 2024				
	08:45	09:00		toni for VITALITY Project	
ı	Sessi	on Chair:	Henry Snaith, University of Oxford, United Kingdom		
	09:00	09:25	18° INVITED LECTURE - Mohammad Khaja Nazeeruddin , EPFL, Switzerland Stable and efficient Perovskite Solar Cells and Modules by interface and compositional Engineering		
	09:25	09:50	19° INVITED LECTURE - Seigo Ito , University of Hyogo, Japan Fabrication of cost-effective carbon-based multiporous-layered-electrode perovskite solar cells		
	09:50	10:15	20° INVITED LECTURE - Paola Vivo , Tampere University, Finland Sustainable and air-stable pnictogen-based light harvesters for indoor photovoltaics		
	10:15	10:40	21° INVITED LECTURE - Hyunjung Shin , SKKU, South Korea Highly oriented grains in alpha – formamidinium lead triiodide with	non-centrosymmetric crystal structure	
	10:40	10:50	NEXUS PROJECT by Prof. Paul Fassl		
	10:50	11:20	COFF	FEE BREAK	
Ī	Sessi	on Chair:	Stefan Glunz, Fraunhofer ISE, University of Freiburg, Ger	many	
	11:20	11:45	22° INVITED LECTURE - Ute Cappel , Uppsala University, Sweden Insights into perovskite properties from studies on single crystal sur		
	11:45	12:05	23° INVITED LECTURE - Atsushi Wakamiya , Kyoto University, Japan Interlayer Materials for Efficient Perovskite Solar Cells		
	12:05	12:08	FUNAN	NO (3 mins)	
	12:08	13:33	LIGHT BU	JFFET LUNCH	
Ų			Session 1A Town Hall	Session 1B Trumpet	
Į	Session Chair:		Paola Vivo, Tampere University, Finland	Mohammad Khaja Nazeeruddin, EPFL, Switzerland	
ı	Sess	sion Title:	Advanced perovskite technologies	Low band gap PV	
	13:33	13:45	Filippo Campana, University of Perugia, Italy A comprehensive LCA study on the use of green solvents for the synthesis and processing of metal-halide perovskites	Mitchell Rencheck, Electric Power Research Institute, United States Managing Potential Environmental and Human Health Risks of Lead Halide Perovskite Photovoltaic Modules	
	13:45	13:57	Camilla Bordoni , University of Bologna, Italy Polymer micro-encapsulated perovskites for stable, flexible and thick radiation detectors	Heon Jin, University of Oxford, United Kingdom Highly efficient and stable thermal evaporated leadtin perovskites	
	13:57	14:09	Luigi Angelo Castriotta , University of Rome Tor Vergata, Italy Advancing flexible perovskite solar technology with benzamide- based molecules for greater mechanical robustness	Krishanu Dey, University of Oxford, United Kingdom Suppressed ion migration and compositional instabilities in mixed lead- tin halide perovskite materials and devices	
	14:09	14:21	Min Kim, Jeonbuk National University, South Korea Interfacial Crystallization of Low-Dimensional Perovskite Nanomaterials for Highly Efficient Photoelectric Devices	Francesca De Rossi, CHOSE, University of Rome Tor Vergata, Italy Thermosetting polyurethanes resins as primary encapsulants for flexible perovskite solar cells	
	14:21	14:33	Wenya Song, imec, Belgium Halide Perovskite Photodiode Integrated CMOS Image Sensor	Isabella Poli, Istituto Italiano di Tecnologia, Italy How composition affects material's properties in tin halide perovskites	
	14:33	14:45	Anna Wąsiak-Maciejak, Saule Research Institute, Poland Closing the gap: compositional and interfacial engineering for enhanced stability and performance of flexible wide bandgap devices	Luca Gregori, University of Perugia, Italy Reducing p-doping of tin-halide perovskites by trivalent cation doping	
_	14:45	14:57	Jin Wang, Nankai University, China Conductive Passivating Contact for High Fill Factor Monolithic Perovskite/Silicon Tandem Solar Cells	Giulia Folpini , CNR, Italy Analysis of doping density and carrier phonon coupling in Tin-based perovskites using time resolved THz spectroscopy	

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14:57	15:05	COMFC	ORT BREAK
		Session 2A Town Hall	Session 2B Trumpet
Session Chair:		Edoardo Mosconi, CNR-SCITEC Perugia, Italy	Maria Antonietta Loi, University of Groningen, Netherlands
Sessi	on Title:	Computational insight into perovskites	Al for perovskite thin-film
15:05	15:17	Daniele Meggiolaro , CNR-SCITEC Perugia, Italy On the route towards efficient tin-halide perovskite solar cells: a theoretical perspective	Kenedy Tabah Tanko, Catalan Institute of Nanoscience and Nanotechnology, Spain Indoor - outdoor performance correlation: operational lifetime prediction of perovskite solar cells through machine learning
15:17	15:29	Mostafa Othman, EPFL, Switzerland Suppression of Stacking Faults for Stable Formamadinium-Rich Perovskite Absorbers	Ulrich Paetzold, Karlsruhe Institute of Technology, Germany Augmenting in situ monitoring of perovskite thin-film formation using deep learning
15:29	15:41	Xin Wu, City University of Hong Kong, Hong Kong Theoretically guided material design, interface engineering and device optimization for efficient and stable perovskite/organic tandem solar cells	Justus Just, MAX IV Laboratory, Lund University, Sweden Integrating Robotic High-Throughput Processing with Synchrotron Based InSitu Multimodal Analysis —Homogenous Crystallization of Mixed Br-I Perovskites
15:41	15:53	Tommaso Moretti, University of Perugia, Italy Harnessing halogen bonding in tuning optoelectronics properties of low-dimensional perovskites	Valentina Larini, University of Pavia, Italy Recycling and reuse of critical components of perovskite solar cells: from device efficiency to life cycle assessment
15:53	16:05	Claudio Quarti , Materials Research Institute, University of Mons, Belgium Atomistic simulations of mixed halide perovksites: is compositional disorder detrimental?	Salvatore Valastro, CNR-IMM, Italy Improved radicchio seedlings growth under CsPbI3 perovskite rooftop in a laboratory- scale greenhouse for agrivoltaics application
16:05	16:17	Federico Brivio , University of Perugia, Italy NMR crystallography of 2D hybrid perovskites	Tom Aernouts, imec, Belgium Long-term perovskite module outdoor performance in different outdoor regions
16:17	16:52	COFF	EE BREAK
		Session 3A Town Hall	Session 3B Trumpet
Sessio	n Chair:	Filippo De Angelis, University of Perugia, Italy	Daniele Meggiolaro, CNR-SCITEC, Italy
Sessi	on Title:	Exploring PVK dynamics and innovation	Perovskite photonics and device engineering
16:52	17:07	Vanira Trifiletti , University of Milano - Bicocca, Italy Doping in quasi-zero dimensional halide perovskite	Thomas William Gries, Helmholtz-Zentrum Berlin, Germany Lumos Maxima: Unveiling the Mysteries of Photoluminescence Quenching
17:07	17:22	Lauren Tidmarsh , University of Surrey, United Kingdom Influence of heavy ions on perovskite photovoltaics operating in space	Giacomo Giorgi, University of Perugia, Italy Optoelectronic features of 2d and quasi-2d halide perovskites
17:22	17:37	E Laine Wong , Istituto Italiano di Tecnologia, Italy Understanding the role of PbI2 and Pb in the photoemission studies of polycrystalline perovskite thin films	Sergey Tsarev, Ethz, Switzerland Monolithic multiband triple junction perovskite photodetectors for color filter-free imaging
17:37	17:52	Gebhard Matt , ETH Zurich, Kovalenko Lab, Switzerland Time-Domain Signal Balancing LiDAR with Centimeter Resolution Based on Metal-Halide Perovskite	Davide Regaldo , Istituto Italiano di Tecnologia, Italy A Lateral Heterojunction Device as a Tool to Study Perovskite-Based Solar cells
17:52	18:07	Lara van der Poll , TU Delft, Netherlands QFLS Determination Through Microwave Conductivity Techniques: Matching Transient and Steady-State Measurements	Luca Mancini , University of Perugia, Italy Modeling the interaction of CO $_2$ with nanostructures: from graphene layers to perovskites

CLOSING/AWARDS

18:07

18:35

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