



International Conference on Emerging Photovoltaic Materials and Technologies,

ICEPV–2022, 27th – 29th April, 2022, Ankara, Turkey

Programme

DATE/TIME		29 April 2022
CENTRAL EUROPEAN TIME ZONE (CET)	ISTANBUL TIME ZONE	
8.30-9.20	9.30-10.20	<p align="center">Keynote Session 3</p> <p align="center">Session Chair: Dennish Babu</p>
		<p align="center">Mohammad Khaja Nazeeruddin, EPFL, Switzerland</p> <p align="center"><i>“Development of Efficient and Stable Perovskite Solar Cells and Modules”</i></p>
9.20-9.55	10.20-10.55	<p align="center">Plenary Session 3</p> <p align="center">Session Chair: Dennish Babu</p>
		<p align="center">Eugene A. Katz, Ben Gurion University, Israel</p> <p align="center"><i>“After establishing ISOS protocols for stability of perovskite photovoltaics: achievements and challenges for outdoor testing”</i></p>
9.55-10.10	10.55-11.10	Break
10.10-10.35	11.10-11.35	<p align="center">Invited Session 5</p> <p align="center">Session Chair: Victor Brus</p>
		<p align="center">Feng Wang, Linköping University, Sweden</p> <p align="center"><i>“Materials Engineering and Properties Study of Halide Double Perovskites”</i></p>
10.35-11.00	11.35-12.00	<p>Morten Madsen, University of Southern Denmark, Mads Clausen Institute, SDU NanoSYD, Denmark</p> <p align="center"><i>“Tuning metal oxide interlayers for non-fullerene acceptor based organic photovoltaics”</i></p>
11.00-11.25	12.00-12.25	<p align="center">Selcuk Yerci, METU, Turkey</p> <p align="center"><i>“Enhanced Hole Extraction with a Thienothiophene-based Ammonium Salt Treatment Provides Semi-Transparent Perovskite Solar Cells with Enhanced Efficiency and Improved Stability”</i></p>
11.25-12.10	12.25-13.10	Lunch Break



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		Invited Session 6
		Session Chairs: Selcuk Yerci-Ivan S. Babichuk-Syed Ghufran Hashmi
12.10-12.35	13.10-13.35	Antonio Agresti, University of Rome Tor Vergata, Italy <i>“Synergic use of bi-dimensional materials for perovskite photovoltaics: from lab-scale to the first worldwide solar farm operating in outdoor condition”</i>
12.35-13.00	13.35-14.00	Aravind Kumar Chandiran, IITM, India <i>“Distortion Induced Halide Perovskite Materials for White Light Emitting & Solar Cells Applications”</i>
13.00-13.25	14.00-14.25	Savas Sonmezoglu, Karamanoglu Mehmetbey University, Turkey <i>“Spray-Pyrolyzed-Processed Electron Transport Layers for Planar Perovskite Solar Cells”</i>
13.25-13.50	14.25-14.50	Paola Vivo, Tampere University, Finland <i>“Lead-free perovskite-inspired materials for photovoltaic applications”</i>
13.50-14.15	14.50-15.15	Shobha Shukla, MEMS, IIT Bombay, India <i>“Carbon Quantum Dots Enabled Efficient Emerging Solar Cells”</i>
14.15-14.30	15.15-15.30	Break
14.30-14.55	15.30-15.55	M. Ibrahim Dar, Cavendish Laboratory, University of Cambridge, UK <i>“Atomistic Understanding of Metal Halide Perovskite and Charge Conducting Semiconductors”</i>
14.55-15.20	15.55-16.20	Michael Irwin, Cubic PV, USA <i>“Towards a Perovskite Tandem Future”</i>
		Oral Session 3
		Session Chairs: Antonio Agresti-Margaret Kocherga
15.20-15.35	16.20-16.35	Anubha Agarwal, Tokyo Institute of Technology, Japan <i>“Study of optical and photophysical properties of mixed cation (FA/MA) lead halide perovskites on the microscopic level”</i>
15.35-15.50	16.35-16.50	Akanksha Choubey, Sri Sivasubramaniya Nadar College of Engineering, India <i>“Fabrication of a Stable and Efficient CsPbIBr₂ perovskite solar cell through precursor engineering”</i>



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15.50-16.05	16.50-17.05	Acchutharaman K. R., Sri Sivasubramaniya Nadar College of Engineering, India <i>“Emission tailored fluoroperovskite based down-conversion nanophosphors for enhancing current density of perovskite solar cell (PSC)”</i>
16.05-16.20	17.05-17.20	Keveser Sahin Tiras, Erciyes University, Kayseri, Turkey <i>“Two-step solution and solution-assisted vapor deposition techniques to fabricate CH₃NH₃PbI₃ perovskite films and solar cells”</i>
16.20-16.35	17.20-17.35	N. Balagowtham, SSN College of Engineering, India <i>“Synthesis of stoichiometric single precursor from low grade PbI₂ for efficient Perovskite Solar Cells”</i>
16.35-16.50	17.35-17.50	B S Madhukar, JSS Science and Technology University, India <i>“PVDF encapsulated 0-dimentional Cs₄PbBr₆ perovskite for opto-electronic application”</i>
16.50-17.05	17.50-18.05	Monika Rai, Institute for Photovoltaic, University of Stuttgart, Germany <i>“Multimodal Approach towards Large Area Fully Semitransparent Perovskite Solar Module”</i>
17.05-17.20	18.05-18.20	Break
17.20-18.50	18.20-19.50	Poster Session 3 Session Chairs: Dhiendra K. Chaudhary-Nelsa Abraham
PP-25		P. Venkatachalam, Annamalai University, India <i>“Enhanced power conversion efficiency of perovskite sensitized Erbium doped TiO₂ electron transport layer solar cell devices”</i>
PP-26		Oussama Bachir-Bouiadjra, Unité de recherche Matériaux et Energies Renouvelables (URMER) Université A. Belkaid, Algeria <i>“Structural, electronic, thermodynamic and optical properties of CsSnBr₃ perovskite by first-principles calculation”</i>
PP-27		Nesa Majidzadeh, University of Tabriz, Tabriz, Iran <i>“The Role of MXene Layer on the Efficiency and Characteristic Parameters of MAPbI_xBr_{3-x} perovskite solar cells”</i>



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PP-28	<p>Oussama Bachir-Bouiadjra, Unité de recherche Matériaux et Energies Renouvelables (URMER) Université A. Belkaid, Algeria</p> <p><i>“First-principles investigation on the material properties of double-perovskite $Cs_2AgInCl_6$ for solar cell applications”</i></p>
PP-29	<p>Atul Kumar, Koneru Lakshmaiah Education Foundation, Vaddeswaram, Guntur, Andhra Pradesh, India</p> <p><i>“Numerical Investigation of MAPbI3 Perovskite Solar Cells for Performance Limiting Parameters”</i></p>
PP-30	<p>D. Geetha, Madras Institute of Technology, Anna University, India</p> <p><i>“Tailoring the Optical and Ferroelectric Properties of (Zr, Mn) Co-doped Bismuth Ferrite Thin Films for Optimal Photovoltaic Response”</i></p>
PP-31	<p>Sharmili T., Research Centre of Physics, Fatima college, India</p> <p><i>“Investigation on optical, dielectrical and magnetical properties of rare earth based double Perovskite Sm_2NiMnO_6 for energy storage applications”</i></p>
PP-32	<p>Joana Preethi A, Research Centre of Physics, Fatima college, India</p> <p><i>“Investigation on Electrochemical and Magnetic properties of Transition metal doped $BiFeO_3$ for energy storage applications”</i></p>
PP-33	<p>Konstantin P. Buskis, Scientific-Practical Materials Research Centre of the National Academy of Sciences of Belarus, Belarus</p> <p><i>“Porous metal-organic frameworks (MOF) and their derivatives for photocatalytic release of hydrogen during water splitting”</i></p>
PP-34	<p>Cagdas Yavuz, Ege University, Solar Energy Institute, Turkey</p> <p><i>“The effect of CdS and g-C_3N_4 in TiO_2 nanotablets for DSSC application”</i></p>
PP-35	<p>Cagdas Yavuz, Ege University, Solar Energy Institute, Turkey</p> <p><i>“Facile photocatalytic Hydrogen production and detecting system by utilizing TiO_2/CdS composite material”</i></p>
PP-36	<p>Ismail Muhammad, Ege University, Solar Energy Institute, Turkey</p> <p><i>“Density Functional Theory on Some Functionalized Carbazole derivatives for application in dye sensitized solar cells (DSSCs)”</i></p>



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PP-37

Mohammed Benaissa, Unité de recherche Matériaux et Energies

Renouvelables (URMER) Université A. Belkaid, Algeria

“Prediction of stable n-type dopants for CsSnI₃ perovskite by first-principles calculation”

Closing ceremony, Feedback, and Valedictory Function