



**International Conference on Emerging Photovoltaic Materials and Technologies,
ICEPV–2022, 27th – 29th April, 2022, Ankara, Turkey**

Programme

DATE/TIME		27 April 2022
CENTRAL EUROPEAN TIME ZONE (CET)	ISTANBUL TIME ZONE	<p style="text-align: center;">Inaugural Session Session Chair: Neslihan Akcay</p>
8.00-8.30	9.00-9.30	<p style="text-align: center;">Neslihan Akcay, Baskent University, Turkey</p>
		<p style="text-align: center;">Sedat Nazlibilek, Head of Department of Electrical and Electronics Engineering, Baskent University, Turkey</p>
		<p style="text-align: center;">Berna Dengiz, Dean of Engineering Faculty, Baskent University, Turkey</p>
		<p style="text-align: center;">Ali Haberal, Rector, Baskent University, Turkey</p>
		<p style="text-align: center;">Mehmet Haberal, Founder of Baskent University and President of the Executive Supreme Board-Awaiting Confirmation</p>
8.30-9.20	9.30-10.20	<p style="text-align: center;">Keynote Session 1 Session Chair: Neslihan Akcay</p>
		<p style="text-align: center;">Thomas Unold, HZB, Germany <i>“Prospects of emerging inorganic photovoltaic materials”</i></p>
9.20-9.55	10.20-10.55	<p style="text-align: center;">Plenary Session 1 Session Chair: Neslihan Akcay</p>
		<p style="text-align: center;">Bart Vermang, IMEC, Belgium <i>“On the development of all thin-film tandem photovoltaics”</i></p>
9.55-10.10	10.55-11.10	<p style="text-align: center;">Break</p>
10.10-10.35	11.10-11.35	<p style="text-align: center;">Invited Session 1 Session Chair: Abdullah Ceylan</p>
		<p style="text-align: center;">Giray Kartopu, Swansea University, UK <i>“State-of-the-art and new research directions with the CdTe photovoltaics”</i></p>
10.35-11.00	11.35-12.00	<p style="text-align: center;">Rokas Kondrotas, FTMC, Lithuania <i>“Study of antimony selenide photoluminescence properties”</i></p>
11.00-11.25	12.00-12.25	<p style="text-align: center;">Alessandro Romeo, University of Verona, Italy <i>“The path from CdTe to Sb₂Se₃ for scalable, low cost, high efficiency devices”</i></p>
11.25-12.10	12.25-13.10	<p style="text-align: center;">Lunch Break</p>



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12.10-12.35	13.10-13.35	Invited Session 2
		Session Chairs: Mehmet Parlak -Alessandro Romeo
		Dimitrievska Mirjana, EPFL, Switzerland <i>“Towards high-performing and sustainable zinc phosphide solar cell absorbers”</i>
12.35-13.00	13.35-14.00	Sergio Giraldo, IREC, Spain <i>“Kesterite: current status, and promising future?”</i>
13.00-13.25	14.00-14.25	Felipe Caballero-Briones, CICATA Altamira, Mexico, <i>“Kesterite solar cells: solving the atomic puzzle for greener photovoltaic”</i>
13.25-13.50	14.25-14.50	Mehmet Ali Olgar, Nigde Omer Halisdemir University, Turkey <i>“Role of Stacking Order and Sulfurization Parameters on Properties of CZTS Thin Films”</i>
13.50-14.15	14.50-15.15	Ozge Surucu, Atilim University, Turkey <i>“A Theoretical and Experimental Study for CuSbSe₂ Thin Films and Their Photovoltaic Applications”</i>
14.15-14.30	15.15-15.30	Break
14.30-14.55	15.30-15.55	Ayten Cantas Bagdas, Pamukkale University, Turkey <i>“Magnetron Sputtering Growth of Sb₂Se₃ Thin Film Solar Cells: Material and Device Characterization”</i>
14.55-15.20	15.55-16.20	Fırat Es, Kalyon PV, Turkey <i>“Technology and R&D Roadmap of the Largest Integrated PV Manufacturer of Europe – KalyonPV”</i>
15.20-15.35	16.20-16.35	Oral Session 1
		Session Chairs: Dogukan H. Apaydin-Mehmet Ali Olgar
		Ratz Thomas, University of Liege, CESAM, Q-MAT, Belgium <i>“Relevance of Ge incorporation on the physics of deep defects in kesterite materials”</i>
15.35-15.50	16.35-16.50	F. I. Gonzalez-Moreno, Instituto Politecnico Nacional, GESMAT, CICATA Altamira, Mexico <i>“Development of heterojunctions of ZnO/Cu₂O and ZnO/GO/Cu₂O for solar cells by pulsed electrodeposition”</i>



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15.50-16.05	16.50-17.05	<p style="text-align: center;">Amol C. Badgajar, SVKM's Institute of Technology, India</p> <p style="text-align: center;"><i>“Development of CIGS thin film solar cells by non-vacuum techniques”</i></p>
16.05-16.20	17.05-17.20	<p style="text-align: center;">Caner İldes, Application and Research Center of Science and Technology, Yozgat Bozok University, Turkey</p> <p style="text-align: center;"><i>“Incorporation of Na and Rb into CdS Thin Films during Chemical Bath Deposition as an alternative strategy to post deposition treatment of Thin Film Solar Cell Absorbers”</i></p>
16.20-16.35	17.20-17.35	<p style="text-align: center;">Omar Ait Layachi, University Hassan II, Morocco</p> <p style="text-align: center;"><i>“Investigation of nucleation and growth mechanism of CZTS electrodeposited on ITO substrate”</i></p>
16.35-16.50	17.35-17.50	<p style="text-align: center;">Tahar Tahouri, University of Ammar Teledji, Algeria</p> <p style="text-align: center;"><i>“Effect of Annealing parameters on Optical properties of CZTS thin films prepared by modified SILAR method”</i></p>
16.50-17.05	17.50-18.05	<p style="text-align: center;">Ramakrishnan Jayakrishnan, Photovoltaic Research Laboratory, University of Kerala, India</p> <p style="text-align: center;"><i>“Loss Quantification in a CuO-ZnO Solar cell”</i></p>
17.05-17.20	18.05-18.20	Break
17.20-18.45	18.20-19.45	<p style="text-align: center;">Poster Session 1</p> <p style="text-align: center;">Session Chairs: Ali Altuntepe-Serkan Erkan</p>
PP-01		<p style="text-align: center;">Valery F. Gremenok, Scientific-Practical Materials Research Centre of the NASB, Belarus</p> <p style="text-align: center;"><i>“Photoluminescence of CuInSe₂ films from nanoparticle precursors”</i></p>
PP-02		<p style="text-align: center;">Namdev Shankar Harale, Shivaji University, India</p> <p style="text-align: center;"><i>“Synthesis of Kesterite Cu₂ZnSnS₄ Thin Films by Advanced Spray CVD Technique for Photovoltaic Application”</i></p>
PP-03		<p style="text-align: center;">Stenny Benny, SRM Institute of Science and Technology, India</p> <p style="text-align: center;"><i>“Solution processed CZTSSe absorber layer for solar cells using a highly stable and non-toxic precursor”</i></p>



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PP-04	Ali Riza Yildirim, Hacettepe University, Turkey <i>“Characterization of Cu₂ZnSnS₄ Films Prepared by a Hybrid Deposition System”</i>
PP-05	Parvejha S. Maldar, Thin Film Nanomaterials Laboratory, Shivaji University, India <i>“Influence of thiourea concentration on the properties of Cu₂CoSnS₄ thin films for photovoltaic application”</i>
PP-06	Valery F. Gremenok, Scientific-Practical Materials Research Centre of the NASB, Belarus <i>“Influence of sulfurization temperature on the crystal structure of Cu₂SnS₃ films formed by a two-stage method”</i>
PP-07	M. Gobalakrishnan, Bharathidasan University, India <i>“Quantum Dot CdxSe1-x/CdxTe1-x Thin film Solar Cell”</i>
PP-08	Remzi Aydin, Eskisehir Osmangazi University, Turkey <i>“Effect of Annealing Temperature on Thermally Evaporated Antimony Trisulfide Films”</i>
PP-09	Sigamani Saravanan, Advanced Research Laboratory for Nanomaterials & Devices, India <i>“Ultra-thin amorphous silicon solar cell performance using photonic and plasmonic modes”</i>
PP-10	Sultan X. Suleymanov, Materials Science Institute, SPA "Physics-Sun," Acad. of Sci. of the Rep. of Uzbekistan, Uzbekistan <i>“Enhancing silicon solar cell efficiency with Al₂O₃–SiO₂ composite antireflection coating for space applications”</i>
PP-11	Rohini Anandan, Thin film Photovoltaics Laboratory, SRM Institute of Science and Technology, India <i>“Micro textured substrates for ITO thin films showing enhanced transmittance: Verification using COMSOL”</i>
PP-12	Sabrina Roguai, Abbes Laghrour University, Algeria <i>“SnO₂ Thin Films by Spray Pyrolysis for Photovoltaic Applications”</i>



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