

Day 1
(July 3)

METU-CCC / Hall A

METU-CCC / Hall B

8:30

REGISTRATION

9:00 **OPENING SESSION**

CURRENT PANORAMA OF SOLAR ENERGY UTILIZATION IN THE WORLD AND TÜRKİYE & INNOVATIVE TRENDS IN PHOTOVOLTAIC CELL TECHNOLOGIES
(Session Chair: Serap GÜNES (ODTÜ-GÜNAM & Yıldız Technical University, Türkiye))

09:00 – 09:10 **Welcome Speeches**

Serap GÜNES (Chair) (Yıldız Technical University, Türkiye)
Rasit TURAN (Co-chair) (METU & ODTÜ-GÜNAM, Türkiye)

09:10 – 09:40 **Opening Speech**

A. Bugrahan KARAVELİ (Chairman of the Executive Board and President of TENMAK, Türkiye)
The Role of Solar in Energy Transition of Türkiye

09:40 – 10:10 **Plenary Speaker**

Michael GRAETZEL (EPFL, Switzerland)
Molecular Photovoltaics and The Stunning Rise of Perovskite Solar Cells

10:10 – 10:40 **Plenary Speaker**

Rolf BRENDL (ISFH, Germany)
Contact Selectivity Guiding the ISFH-Roadmap for Crystalline Si Photovoltaics

10:40 - 11:00

BREAK

11:00 **SESSION - 2.1**

RECENT DEVELOPMENTS IN TOPCon CELL TECHNOLOGY
(Session Chair: Hisham NASSER (ODTÜ-GÜNAM, Türkiye))

SESSION - 2.2

SOCIOECONOMIC ASPECTS OF SOLAR ENERGY UTILIZATION AND APPLICATIONS - I
(Session Chairs:

İpek GÜRSEL DİNO (ODTÜ-GÜNAM & METU, Türkiye)
Yelda ERDEN TOPAL (ODTÜ-GÜNAM & METU, Türkiye))

11:00 - 11:15 **Invited Speaker**

Marc HOFMANN (Fraunhofer ISE, Germany)
TOPCon Solar Cell Technology: Status and Perspective at Fraunhofer ISE - I

Elif Dilek YILMAZ (METU, Türkiye)

How Does License-Exempt Solar Excess Electricity Generation Affect Türkiye's Economic Growth?

11:15 - 11:30 **Invited Speaker**

Marc HOFMANN (Fraunhofer ISE, Germany)
TOPCon Solar Cell Technology: Status and Perspective at Fraunhofer ISE - II

İbrahim TOKGÖZ (Marmara University, Türkiye)

Optimizing Photovoltaic Lifecycle Management: A Comparative Study of Business Models

11:30 - 11:45 Berkay UYGUN (ODTÜ-GÜNAM, Türkiye)

Local p+ Poly-Si Passivating Contacts Realized by Direct FlexTrail Printing of Boron Ink and Selective Alkaline Etching for High Efficiency TOPCon Based Solar Cells

Ömer Faruk TUNÇBİLEK (TENMAK / Clean Energy Research Institute, Ankara, Türkiye)

Socioeconomic Aspects of Solar PV Applications: Example of Ankara Province Ayaş District

11:45 - 12:00 Gökhan ALTINER (ODTÜ-GÜNAM, Türkiye)

Development Of Hydrogenated Aluminum-Doped Zinc Oxide Recombination Junction Enabling Superior Passivation Of Bottom Cell With Front TOPCon For Silicon/Perovskite Tandem Devices: Towards Indium-Free Recombination Junction

Pınar DERİN GÜRE (METU, Türkiye)

Semi-Transparent Photovoltaic Windows in Türkiye: Exploring Stakeholder Perspectives on Opportunities and Barriers

12:00 - 12:15 Damian Brunner (RENA Technologies, Germany)

Comprehensive Analysis and Process Optimization for Wet-Chemical Alkaline Edge Isolation for Industrial TOPCon Solar Cells

Samed PEKDEMİR (Uludağ Elektrik Dağıtım, Türkiye)

Empowering PV-Integrated Energy Communities through Digitalization: Insights from the Masterpiece Project

12:15 - 12:30 Eni MUKA (ODTÜ-GÜNAM, Türkiye)

Simulation of TOPerc Bottom Structures for Perovskite/Silicon Tandem Solar Cells using QUOKKA3

Mehrdad Hajian ZEIDY (Eastern Mediterranean University, Turkish Republic of Northern Cyprus)

Evaluation of the Quality Components of the Urban Environment and their Influence on Citizen's Satisfaction by Use of Photovoltaic Systems for the Location of Gazimağusa / North Cyprus

12:30 - 12:45

Besim Can ZIRH (METU, Türkiye)

A Case Study in Turkey (Akhisar): Opportunities and Constraints in the Transition to Solar Energy Transition

12:45 - 14:00

LUNCH BREAK

Day 1
(July 3)

METU-CCC / Hall A

METU-CCC / Hall B

14:00 SESSION - 3.1
RECENT DEVELOPMENTS IN HETEROJUNCTION CELL TECHNOLOGY
(Session Chair: *Marc HOFMANN* (Fraunhofer ISE, Germany))

14:00 - 14:30 Invited Speaker
Kaining DING (Forschungszentrum Jülich, Germany)
What is New in Silicon Heterojunction Solar Technology 2023/2024?

14:30 - 15:00 Invited Speaker
Lang ZHOU (Nanchang University, PRC)
Potentials of HWCVD as a Lower Cost Alternative for HJT Cell Production

15:00 - 15:15 Büsra ALTINSOY (ODTÜ-GÜNAM, Türkiye)
Intrinsic Amorphous Silicon Bilayers for Surface Passivation in Silicon Heterojunction Solar Cells

15:15 - 15:30 Furkan GÜÇLÜER (Niğde Ömer Halisdemir University, Türkiye)
Investigating the Impact of MZO-IZO Bilayer Transparent Conductive Films on the Performance of c-Si Heterojunction Solar Cells

SESSION - 3.2
"SOLARHUB" SPECIAL SESSION: SHOWCASE OF FIVE ECOSYSTEMS
(Session Chair: *Hande ERYILMAZ*)

[Please click HERE for the session program](#)

15:30 - 15:45

BREAK

15:45 SESSION - 4.1
LARGE-SCALE PV MANUFACTURING
(Session Chairs:
Raymond de MUNNIK (Enerctics Pte. Ltd., Singapore),
Kaining DING (Forschungszentrum Jülich, Germany))

15:45 - 16:00 Invited Speaker
Vincent LAU (Jolywood, PRC)
**Study on Efficiency Improvement Technology of Industrial Manufacturing for Jolywood-
TOPCon Solar Cell**

16:00 - 16:15 Invited Speaker
Jichun YE (Ningbo Institute of Material Technology and Engineering, PRC)
Recent Progress of TOPCon Solar Cell Technology in China

16:15 - 16:30 Xinrui AN (JTPV, PRC)
High Efficiency Cell Technology of JTPV

16:30 - 16:45 Dilara SUBASI (Fraunhofer ISE, Germany)
Improved Solar Cell Factory Design with increasing Equipment Throughput

16:45 - 17:00 Homer CHEN (S.C New Energy Technology Corporation, PRC)
**Key Points of Advanced Turnkey High-Efficiency Mass Production Line of Different Solar
Cells**

17:00 - 17:15 Josua STUCKELBERGER (LAPLACE Renewable Energy Technology Co. Ltd., PRC)
Advances in Turn-key Solutions for High-Efficiency TOPCon Cells

17:15 - 17:30 Yuelong HUANG (Wuxi Songyu Technology Co. Ltd., PRC)
High Efficiency Solar Cell Turnkey Line Solution

SESSION - 4.2
SOCIOECONOMIC ASPECTS OF SOLAR ENERGY UTILIZATION AND APPLICATIONS - II
(Session Chairs:
Erkan ERDİL (METU, Türkiye),
Pınar DERİN GÜRE (ODTÜ-GÜNAM & METU, Türkiye))

Invited Speaker
Ramazan SARI (Technical University of Denmark, Denmark)
The Social Acceptability of New Technologies in Shaping Energy Policy - I

Invited Speaker
Ramazan SARI (Technical University of Denmark, Denmark)
The Social Acceptability of New Technologies in Shaping Energy Policy - II

Furkan TÜZÜN (Social Sciences University of Ankara, Türkiye)
Drivers and Challenges of Solar Photovoltaics Adoption by Turkish Manufacturers

Esin YAZICI (METU, Türkiye)
Socio-economic Impact Assessment of Solar PV Technology in Türkiye

Tayfun HIZ (ODTÜ-GÜNAM, Türkiye)
**Managing End-of-Life Photovoltaic Panels: A Comparative Analysis of National Policies and
Regulations**

Yelda ERDEN TOPAL (METU, Türkiye)
The Evolution of Turkish Solar Energy Research Network in Three Periods

Ezgi IPEK (Industrial Development Bank of Türkiye, Türkiye)
Unlocking Türkiye's Solar Potential: A Computable General Equilibrium Analysis

17:30 - 19:30

WELCOME RECEPTION & POSTER OPENING SESSION

Day 2
(July 4)

METU-CCC / Hall A

METU-CCC / Hall B

8:45 **SESSION - 5.1**

EMERGING PHOTOVOLTAICS - I

(Session Chair: *Figen VARLIOGLU YAYLALI* (ODTÜ-GÜNAM & METU, Türkiye))

SESSION - 5.2

PV MODULE TECHNOLOGIES AND PERFORMANCE ANALYSIS - I

(Session Chair: *Duygu KUZUYAKA* (ODTÜ-GÜNAM, Türkiye))

08:45 - 09:00 **Invited Speaker**

Seçkin AKIN (Necmettin Erbakan University, Türkiye)

Breaking Barriers with Cutting-Edge Strategies: Advancing Efficiency and Stability in Perovskite Photovoltaics - I

Aksel Kaan ÖZ (Fraunhofer ISE, Germany)

Pushing the Boundaries: Optimizing the Lamination Processes for Photovoltaic Modules in New Application Areas

09:00 - 09:15 **Invited Speaker**

Seçkin AKIN (Necmettin Erbakan University, Türkiye)

Breaking Barriers with Cutting-Edge Strategies: Advancing Efficiency and Stability in Perovskite Photovoltaics - II

Refika BUDAKOGLU (Sisecam, Türkiye)

Environmentally Sustainable Methodologies for the Extraction of Ethylene Vinyl Acetate (EVA) from PV Panels Dismantled by Hot-Knife Technic

09:15 - 09:30 **Invited Speaker**

Henk BOLINK (University of Valencia, Spain)

Vacuum Deposited Perovskites For Single Junction And Tandem Solar Cells

Meryem Ezgi KARAHALLI (ODTÜ-GÜNAM, Türkiye)

Analyzing the Changes in Electrically Conductive Adhesives During the Curing Process for Shingled Solar Cells

09:30 - 09:45 *Mustafa YASA* (ODTÜ-GÜNAM, Türkiye)

Novel Patterning Approach for Large-Area Translucent Perovskite Solar Cells for Indoor Applications

Abdulkerim GÖK (Gebze Technical University, Türkiye)

Toward Sustainable PV Systems: Evaluating Alternative Encapsulant Materials for Enhanced Reliability

09:45 - 10:00

BREAK

10:00

SESSION - 6 (PART - I)

SPECIAL SESSION:

HORIZON EUROPE PROJECTS ON PEROVSKITE-BASED SINGLE, TANDEM AND TRIPLE JUNCTION PV

(Session Chairs:

Seçuk YERCI (ODTÜ-GÜNAM & METU, Türkiye)

Görkem GÜNBAŞ (ODTÜ-GÜNAM & METU, Türkiye))

10:00 - 10:15 **Invited Speaker**

Perrine CARROY (CEA-INES, France)

HE Project NEXUS: Overview of the Results Achieved during the 1st Period

10:15 - 10:30 **Invited Speaker**

Hisham NASSER (ODTÜ-GÜNAM, Türkiye)

NEXUS Hybrid PERC/TOPCon Bottom Cell Enabling Ag-Free and In-Free Design for Perovskite-Si Tandem Solar Cells

10:30 - 10:45 **Invited Speaker**

Jans BOLDING (SALD B.V., Netherlands)

Industrially Applicable Spatial Atomic Layer Deposition of Metal Oxides for Perovskite and Tandem Solar Cells

10:45 - 11:00 **Invited Speaker**

Jonas SCHÖN (University of Freiburg, Germany)

Simulation-Based Structure Optimization of Monolithic Perovskite/Perovskite/Silicon Triple Junction Solar Cells

11:00 - 11:15 **Invited Speaker**

Christian Wolff (EPFL, Switzerland)

Perovskite/Perovskite/Si Triple Junctions by Solution Processing

11:15 - 11:30 **Invited Speaker**

Henk BOLINK (University of Valencia, Spain)

Perovskite solar cells with enhanced stability and applicability (VALHALLA)

11:30 - 11:45

BREAK

Day 2
(July 4)

METU-CCC / Hall A

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11:45

SESSION - 6 (PART - II)

SPECIAL SESSION:

**HORIZON EUROPE PROJECTS ON PEROVSKITE-BASED SINGLE, TANDEM AND TRIPLE
JUNCTION PV**

(Session Chairs:

Selçuk YERCI (ODTÜ-GÜNAM & METU, Türkiye)

Görkem GÜNBAS (ODTÜ-GÜNAM & METU, Türkiye))

11:45 - 12:15 **Q/A & Discussion**

All the Invited Speakers & Session Participants

12:15 - 13:15

LUNCH BREAK

Day 2
(July 4)

METU-CCC / Hall A

METU-CCC / Hall B

13:15 **SESSION - 7.1**

AGRIVOLTAICS AND METEOROLOGICAL MONITORING FOR PV SYSTEM DESIGN AND APPLICATIONS

(Session Chair: *Emre DEMIREZEN* (ODTÜ-GÜNAM & METU, Türkiye))

13:15 - 13:30 *Bilge SENTÜRK* (ODTÜ-GÜNAM, Türkiye)
The Impact of Photovoltaic Panels on the Environment and Yield Parameters in an Open Field Agrivoltaic System: A Case Study in Ayaş, Ankara

13:30 - 13:45 *Ilhan Bora SERIN* (Seven Sensor Solutions, Türkiye)
Meteorological Sensors Selection for PV Plants

13:45 - 14:00 *Harun GÜMÜS* (Ege University, Türkiye)
Multidimensional Assessment of Agrivoltaic System Potential in Turkey

14:00 - 14:15 *Ömer YALÇIN* (ODTÜ-GÜNAM, Türkiye)
Agrivoltaic System Design for Sugar Beets and Wheat in Central Anatolia

SESSION - 7.2

PV MODULE TECHNOLOGIES AND PERFORMANCE ANALYSIS - II & POWER ELECTRONICS FOR PV APPLICATIONS - I

(Session Chair: *Aksel Kaan ÖZ* (Fraunhofer ISE, Germany))

Rıdvan ÇELİK (ODTÜ-GÜNAM, Türkiye)
Glare Effect Assessment for the Highway, Circular Road Junction, and Airport in the Mardin Region

Zeynep CANTÜRK (ODTÜ-GÜNAM, Türkiye)
Comparison of Panel Glass Surface Texturing for Anti-reflective and Anti-soiling Properties by Three Methods: RIE, MACE and LIPSS

Batuhan Mert LAÇINKAYA (Robsys Robotic Systems, Türkiye)
Techniques and Trends in Photovoltaic Panel Cleaning for Sustainable Solar Energy

Özgür Arda KÜÇÜKASLAN (ODTÜ-GÜNAM, Türkiye)
A Situational Awareness and Decision Support Tool for Power Systems with High rPV Penetration

14:15 - 14:30

BREAK

14:30

SESSION - 8
SPECIAL SESSION:
PERC'ÜN VARISI KİM?
(IF PERC IS DYING, WHO IS THE HEIR?)
(in Turkish)

(Session Chair: *Rasit TURAN* (ODTÜ-GÜNAM & METU, Türkiye))

14:30- 14:45 **Invited Speaker**
Tarık SARVAN (CW Enerji, Türkiye)

14:45- 15:00 **Invited Speaker**
Halil DEMİRDAG (Smart Solar, Türkiye)

15:00- 15:15 **Invited Speaker**
Dr. Fırat ES (MEM Solar, Türkiye)

15:15- 15:30 **Invited Speaker**
Assoc. Prof. Dr. Selçuk YERCI (METU & ODTÜ-GÜNAM, Türkiye)

15:30 - 15:45 **Q/A & Discussion**
All the Invited Speakers & Session Participants

15:45 - 16:00

BREAK

Day 2
(July 4)

METU-CCC / Hall A

METU-CCC / Hall B

16:00

SESSION - 9

SPECIAL SESSION:

TARIMDA FOTOVOLTAİK SİSTEM TASARIMI VE UYGULAMALARI
(AGRIVOLTAIC SYSTEM DESIGN AND APPLICATIONS)
(in Turkish)

(Session Chair: *Bahadır TURHAN* (Solar3GW, Türkiye))

16:00 - 16:15 **Invited Speaker**

Dr. Murat ERÖZ (EnerjiSA Üretim, Türkiye)

16:15 - 16:30 **Invited Speaker**

Yasir HERDEM (Gumbel Group, Türkiye)

16:30 - 16:45 **Invited Speaker**

Assoc. Prof. Dr. Talat ÖZDEN (ODTÜ-GÜNAM & Gümüşane University, Türkiye)

16:30 - 16:45 **Invited Speaker**

Dr. Ramona DAVOUDNEZHAD APAYDIN (Kalyon PV, Türkiye)

16:45 - 17:00 **Q/A & Discussion**

All the Invited Speakers & Session Participants

19:30

GALA DINNER

Day 3
(July 5)

METU-CCC / Hall A

METU-CCC / Hall B

8:45 **SESSION - 10.1**

ADVANCED PRODUCTION METHODS FOR SILICON SOLAR CELLS

(Session Chair: *Veysel ÜNSÜR* (ODTÜ-GÜNAM & Necmettin Erbakan University, Türkiye))

SESSION - 10.2

BUILDING-INTEGRATED PHOTOVOLTAIC TECHNIQUES AND APPLICATIONS

(Session Chairs:

Bülent G. AKINOGLU (ODTÜ-GÜNAM & METU, Türkiye)

Parisa SHARIF (ODTÜ-GÜNAM & Türkiye))

08:45 - 09:00

Invited Speaker

Sascha SADEWASSER (INL - International Iberian Nanotechnology Laboratory, Portugal)

Micro-Structured Semi-Transparent Cu(In,Ga)Se₂ Solar Cells - I

09:00 - 09:15

Invited Speaker

Sascha SADEWASSER (INL - International Iberian Nanotechnology Laboratory, Portugal)

Micro-Structured Semi-Transparent Cu(In,Ga)Se₂ Solar Cells - II

09:15 - 09:30 *Hüseyin Utkucan KAYACI* (Nanovatif Materials Technologies, Türkiye)

Water-Based Electrically Conductive Adhesive for PERC-Type Shingled Solar Cells

Kerem Çagatay IÇLI (Sisecam, Türkiye)

Atmospheric and Online Deposition of Dichroic Filters on Flat Glass by a Pyrolytic Process for BIPV Applications

09:30 - 09:45 *Nabil KHELIFATI* (CRTSE, Algeria)

Effect Of The Morphology Of Black Silicon Passivated By Alumina On The Performance Of Interdigitated Back Contact Solar Cells

Giray KARTOPU (Northumbria University, UK)

Laser Patterned Thin Film Solar Cells for BIPV Applications

09:45 - 10:00 *Muhammad USMAN* (National Centre for Physics, Pakistan)

Ion Implantation for High-Efficiency Solar Cells

Parisa SHARIF (ODTÜ-GÜNAM, Türkiye)

Development of a Photonic Glass-Based Colored Photovoltaic Panel for BIPV Applications Utilizing Metal Oxide Nanoparticles

10:00 - 10:15 *Mustafa BÜYÜKGÜZEL* (ODTÜ-GÜNAM, Türkiye)

Formation of Selective Emitter Through Double Diffusion Approach

Ahadollah AZAMI (Cukurova University, Türkiye)

Building Shape Impact on BIPV Performance with Different PV Module Technologies

10:15 - 10:30

Amirhossein KARIMIZADEH (Eastern Mediterranean University, Turkish Republic of Northern Cyprus)

A Cost-Benefit Analysis of Photovoltaic Building Facades: A Case Study in Northern Cyprus

10:30 - 10:45

BREAK

Day 3
(July 5)

METU-CCC / Hall A

METU-CCC / Hall B

10:45 **SESSION - 11.1**

EMERGING PHOTOVOLTAICS - II

(Session Chairs:

Seçkin AKIN (Necmettin Erbakan University, Türkiye),

Mustafa YASA (ODTÜ-GÜNAM, Türkiye))

SESSION - 11.2

PV-INTEGRATED HYBRID SYSTEM DESIGN AND TECHNOLOGIES & METEOROLOGY AND SOLAR ENERGY RESOURCE ASSESSMENT - I

(Session Chairs:

Onur TAYLAN (ODTÜ-GÜNAM, Türkiye),

André AUGUSTO (Dalarna University, Sweden))

10:45 - 11:00

Invited Speaker

Canan KANDILLI (Uşak University, Türkiye)

Potential of the Photovoltaic Thermal Systems for Green Transformation in Industry and Zero Energy Building Applications - I

11:00 - 11:15

Invited Speaker

Canan KANDILLI (Uşak University, Türkiye)

Potential of the Photovoltaic Thermal Systems for Green Transformation in Industry and Zero Energy Building Applications - II

11:15 - 11:30 *Konstantin TSOI* (ODTÜ-GÜNAM, Türkiye)

Bayesian Optimization with Experience for Fast Development of Monolithic Tandem Solar Cells: Simulation Case Study

Nikolaos I. TSONGIDIS (CERTH, Greece)

Sustainable Conversion of Agri-food Waste using HTL Reactor Integrated with Concentrated Solar Energy, Thermal Energy Storage and Solar PV

11:30 - 11:45 *Zeynep GÖZÜKARA KARABAG* (ODTÜ-GÜNAM, Türkiye)

Strong Impact of Substituent Position in PEAI-Founded Organic Cations to Enable the Efficient and Durable 3D/2D-Constructed Perovskite Solar Cells

Emre İLTER (Yıldız Technical University, Türkiye)

Towards Large-Area Luminescent Solar Concentrators: CsPbBr₃ Quantum Dot-Embedded Glass Nanocomposite Integration Strategies

11:45 - 12:00 *Enrique H. BALAGUERA* (Universidad Rey Juan Carlos, Spain)

Stabilization Of Current-Voltage Curves In Perovskite Solar Cells

Neslihan ÇOLAK GÜNES (Ege University, Türkiye)

Enhancing Heat Pump Efficiency through Integrated Photovoltaic Thermal Systems

12:00 - 12:15 *Sevdiye Basak TURGUT* (Ege University, Türkiye)

Utilizing a Carbazole-Incorporated Regioisomeric Synthesis Strategy to Design Hole Transporting Materials for Perovskite Solar Cells

İlkin CANLI (ODTÜ-GÜNAM, Türkiye)

Rooftop Segmentation Approach with Unclassified Data for PV Potential Estimation

12:15 - 12:30 *Cihangir KAHVECI* (Yıldız Technical University, Türkiye)

Investigation Performance and Stability Effect of Natural Antioxidants on the Perovskite Solar Cells

Hasan TENLI (Sakarya University, Türkiye)

Maximizing Solar Energy Harvesting Efficiency: AI-Based Prediction for PV Panel Systems Positioning

12:30 - 14:00

LUNCH BREAK

Day 3
(July 5)

METU-CCC / Hall A

METU-CCC / Hall B

14:00 **SESSION - 12.1**

EMERGING PHOTOVOLTAICS - III & POWER ELECTRONICS FOR PV APPLICATIONS - II
(Session Chairs:
Gönül HIZALAN ÖZSOY (ODTÜ-GÜNAM, Türkiye),
Aliakber KARABAG (ODTÜ-GÜNAM, Türkiye))

SESSION - 12.2

PV-INTEGRATED HYBRID SYSTEM DESIGN AND TECHNOLOGIES & METEOROLOGY AND SOLAR ENERGY RESOURCE ASSESSMENT - II
(Session Chairs:
Canan KANDILLI (Uşak University, Türkiye),
Nikolaos I. TSONGIDIS (CERTH, Greece))

14:00 - 14:15 Bahri Eren UZUNER (ODTÜ-GÜNAM, Türkiye)
Wide Bandgap Perovskite Solar Module Geometry Optimization by Single-diode Modeling Leading >98% Geometrical Fill Factor >80% Fill Factor

Invited Speaker
André AUGUSTO (Dalarna University, Sweden)
Hybrid PV Solutions for Industrial and Household Heating Systems - I

14:15 - 14:30 Asma BOUBAKRI (Cadi Ayyad University, Morocco)
Comparative Analysis of Properties of SnS Thin Film Deposited by Electrodeposition and Sol-Gel Spin Coating Techniques

Invited Speaker
André AUGUSTO (Dalarna University, Sweden)
Hybrid PV Solutions for Industrial and Household Heating Systems - II

14:30 - 14:45 Mehmet Cem SAHINER (ODTÜ-GÜNAM, Türkiye)
Insights into the Recombination Dynamics of Perovskite Solar Cells via Voltage and Photon Flux Dependence of Impedance Response

Robert BALOG (Texas A&M University, Qatar)
Nonplanar PV System Application on Water Tower

14:45 - 15:00 Duygu AKIN KARA (Ege University, Türkiye)
Formulation and Characterization of New PEDOT:PSS Inks for Inkjet Printed Perovskite Solar Cells

Ertugrul ÇUBUK (ODTÜ-GÜNAM, Türkiye)
Cooling Optimization for Concentrating Photovoltaics Modules: A Study of Convective and Radiative Cooling with a Focus on Plate Fin Applications

15:00 - 15:15 Cansu EMIR (Atılım Univ., Türkiye)
Boosting Device Efficiency, Exploring Si Nanowire and SnS₂ Thin Film Heterojunctions

Berathan YILDIRIM (Istanbul Energy, Türkiye)
Mobile Energy Applications in Mobile Offices

15:15 - 15:30 Mrityika PAUL (Indian Institute of Technology, India)
Morphology Control of β -CsPbI₃ Perovskite Phase in Air Ambient Condition

Mahmut S. BÜKER (Necmettin Erbakan University & SOLIMPEKS Solar, Türkiye)
Investigation of the Effect of a New Absorber Plate Design on Hybrid PV/T Collector Performance

15:30 - 15:45 M. Mustafa ÇODUR (ODTÜ-GÜNAM, Türkiye)
Optimizing Transparent Conductive Oxide Thickness for Perovskite Solar Cells Under Indoor Illumination

Ismail Mekkaoui ALAOUJ (Cadi Ayyad University, Morocco)
Hybrid Water Pumping as A Complement to the Irrigation System in the Ziz Valley (East of Morocco)

15:45 - 16:00 Drici MANAL (Badji Mokhtar Annaba University, Algeria)
Comparison between P&O and Incremental Conductance MPPT Control Strategies for PV

16:00

CLOSING REMARKS & END OF PVCon2024
(Small Foyer)