

Monday, 25 October 2021

Time Slot	ISES Code Author	Session Title Presentation Title	Session Code ID	Moderator
14:00-15:00 CEST	E1	Solar Thermal Electricity	MON_1C_E1	
14:00	Gonzalez-Gomez, Pedro	Superheater Design Assessment for Flexible Solar Tower Plants	4639	
14:02	Abraim, Mounir	Comparative Study of Soiling Effect on CSP and PV Technologies Under Semi-Arid Climate in Morocco	8609	
14:04	Xin, Zhang	Design and Analysis of a Novel Spectral Beam Splitting Hybrid Photovoltaic and Concentrating Solar Thermal System	2940	
14:06	Qin, Jiyun	Optimisation Control of Solar Field for Solar Aided Power Generation Plant Under Variable Solar Radiation Condition Optimization and Techno-Economic Assessment of 50 MWe Linear	7864	
14:08	Tahir, Zia ul Rehman	Fresnel Reflector Concentrating Solar Power Plant using different Heat Transfer Fluids	1591	
14:10	Tahir, Zia ul Rehman	Optimization and Techno-Economic Assessment of 50 MWe Solar Tower Power Plant for Different Climatic Zones in Pakistan	1102	
14:12	Aghaei Meybodi, Mehdi	Techno-Economic Assessment of Hybrid PV and CST Systems	6530	
14:00-15:00 CEST	H1	SHC Technologies	MON_1A_H1	
14:00	Chhugani, Bharat	Comparison of PVT - Heat Pump Systems with Reference Systems for the Energy Supply of a Single-Family House	6575	
14:02	Pigozzo Filho, Victor César	A New Concept of Hybrid Solar Collectors: Polimeric Heat Exchanger for Photovoltaic Panels	4394	
14:04	Hosouli, Sahand	Performance Assessment of Concentrated Photovoltaic Thermal (CPVT) Solar Collector at Various Locations	2763	
14:06	Dragsted, Janne	Best Practices for PVT Technology	3672	
14:08	Wood, David	Effect of Wavy Tape Inserts and Glass Cover on the Performance of a PVT System	8650	
14:10	Hosouli, Sahand	Evaluation of a Solar Photovoltaic Thermal (PVT) System in a Dairy Farm in Germany	4635	
14:12	Rigola, Joaquim	Numerical Simulation of a Cost Efficient Novel CPVT Solar Collector	4877	
14:00-15:00 CEST	L1	Solar Resource Assessment	MON_1D_L1	Paul Stackhouse, Paola Ruso
14:00	Jensen, Adam R.	Assessingsolar: An Interactive Guide to Solar Resource Assessment in Python	2808	
14:02	Kaaya, Ismail	Assessing the Variations in Long-Term Photovoltaic Yield Prediction Due to Solar Irradiance and Module Temperature	8139	
14:04	Stackhouse, Paul	An Assessment of and Access to Nasa Ceres Hourly Solar Irradiance Data Products Using Power Web Services	5777	
14:06	Russo, Paola	Characterization of Solar Over-Irradiance Events in Uruguay	5156	
14:08	Alexis Denhard	A Comparison of Time Series Gap-Filling Methods to Impute Solar Radiation Data	5678	
14:00-15:00 CEST	M1	Solar Buildings	MON_1B_M1	
14:00	Wang, Leilei	Analysis of "Green Building" Indicators in a Residential Area Based on Building Information Model	3443	
14:02	Ushak, Svetlana	Lca of Lightweight and Environmentally Efficient Buildings in Two Cities in the North of Chile	5614	
14:04	Young, David	Passive Cooling of Structures with Thick Film Nanocomposites	3746	
14:06	Xiao, Qiubo	Study on the Low-Cost Passive Solar Techniques Optimization for Low High-Density Rural House in Qinghai-Tibetan Plateau	1567	
14:08	Formolli, Matteo	Solar Accessibility at Neighborhood Scale: An Analysis to Assess the Impact of Densification in Nordic Built Environment	8858	
19:30-20:30 CEST 19:30	A1 Platzer, Werner	<b>100% RE World</b> Total Performance Assessment Method for Industrial Process Heat Systems	MON_2C_A1 7802	Tobias Boström

19:32	Singh, Kuljeet	Role of Solar Energy in Achieving Net Zero Energy Neighborhoods	1960
19:34	Mörs, Friedemann	Techno-Economic Analysis of Green Hydrogen Production from Solar Energy in Mena and Transport to Central Europe	1889
19:36	Perez, Marc	Implicit Storage - Optimally Achieving Lowest-Cost 100% Renewable Power Generation	1840
19:38	Perez, Marc	Where and How Much? Land Use Implications for High-Penetration PV	2927
19:30-20:30 CEST	D1	Innovative PV	MON 2D D1
19:30	Fernández de Ahumada, Luis M.	Tracking of Photovoltaic Facilities Based on Omnidirectional Sensor	
19:32	Krippner, Roland	Building Integrated Solar Technology – Evaluating 20 Years of Experience with Solar Buildings from an International Competition	2361
19:34	Tahir, Zia ul Rehman	Comparison of Seventeen Models to Estimate Diffused Radiation on a Tilted Surface	1223
19:36	Romaní, Joaquim	Evaluation of the Implementation of a BIPV Glass in Office Buildings in Spain	8471
19:30-20:30 CEST	H2	SHC Technologies	MON_2A_H2
19:30	Summ, Thorsten	A Detailed Investigation on the Convective Heat Transfer Inside the Enclosed Cavity of Insulated Glass Solar Thermal Flat-Plate Collectors	1863
19:32	Famiglietti, Antonio	Experimental Investigation of a New Turbocharged Concentrating Solar Air Heater	2426
19:34	Castell, Albert	Domestic Hot Water and Cooling Demand Coverage for Nearly Zero Energy Buildings Applying Combined Solar Heating and Radiative Cooling	8250
19:36	Xinzhuang, GU	Experimental and Numerical Analysis on the Grain Drying Based on Solar Collectors and Heat Pump	7780
19:38	Rigola, Joaquim	Mathematical Modeling and Experimental validation of a Highly Efficient Flat Plate Solar Collector with compound Transparent Insulation Materials including a Silica Layer	4776
19:40	Kosmadakis, George	Towards a 100% Renewable Energy Share for Heating and Cooling in Office Buildings with Solar and Geothermal Energy	2438
19:30-20:30 CEST	M2	Solar Buildings	MON_2B_M2
19:30	Matuska, Tomas	Design and Testing of Autonomous Curtain Walling Façade Module	
19:32	Ramos Martins, Fernando	Performance Study of a PV System Installed at a Coastal City of SÃo Paulo, Brazil	3160
19:34	Giovannetti, Federico	Profiled Glass Solar FaÇade with Integrated Heat Pipe Absorber – Experimental Evaluation of Prototypes	3657
19:36	Frick, Edward	Solar Thermal, Rear-Ventilated Facades as Heat Pump Sources in Multi-Storey Buildings	4623
19:38	Bucher, Christof	Electrical Behaviour of Different Module Technologies in Typical Partial Shading Situations of Building Integrated Photovoltaics	4024



Tuesday, 26 October 2021

Time	ISES Code	Session Title	Session Code	Moderator
Slot	Author	Presentation Title	ID	
11:00-12:00 CEST	A2	100% RE World	TUE_0A_A2	Andrew Blakers
12:00	Rządkowska, Agnieszka			
		The EU Clean Energy Policy Under the European Green Deal and COVID-19 Pandemics - How the Renewables Historically Won the Majority Share in the Eu's Electrical Energy Mix	5437	
12:02	Silvi, Cesare	From History Examples on the Use of Renewable Solar Energy on Earth	4990	
12:04	Oberdorfer, Amélie	Transition Pathways Towards a Carbon-Neutral Thuringia	2024	
12:06	Gari da Silva Fonseca Junior, Joao	A Comparison of Two Methods to Forecast Residual Demand One Day Ahead of Time	3483	
14:00-15:00 CEST	D2	Innovative PV	TUE_1B_D2	
14:00	Erell, Evyatar	The Effect of Surface Cover Vegetation on the Microclimate and	3511	
14.00	Licii, Evyatai	Power Output of a Solar Photovoltaic Farm in the Desert	3311	
14:02	Yamaguchi, Masafumi	Impact of Photovoltaics-Powered Vehicles	8495	
14:04	Fernández de Ahumada, Luis M.	Influence of Terrain on Single-Axis PV Plants	4483	
14:06	Marbello Castrejon, Maria Fernanda	Large Scale Floating Photovoltaics on Lake Nasser for Effective Power Production and Reducing Water Losses	6073	
14:08	Good, Clara	Solar Energy for Self-Sufficient Electric Aircraft Operations at Bardufoss Flight School	3838	
14:00-15:00 CEST	I1	RE & Efficient Heating and Cooling Systems	TUE_1C_I1	Pedro Horta, José-Miguel Cardemil
14:00	Cardemil, Jose	IEA SHC Task64/SolarPACES Task IV – SubTask C: Assessment of	5288	
14:02	Saini, Puneet	uncertainties in simulation tools Techno-Economic Analysis for Solar Thermal Integration Point in ar Industrial Boiler Network: Case Study from Dairy Sector	14389	
14:04	Gil, Juan D.	Towards the Optimal Design and Control of Solar-biomass Heating Networks for Greenhouse Applications: Methodology and	4472	
14:06	Kamerling, Simon	Preliminary Results Milp Algorithm for Optimal Control Strategy of a Hybrid	8639	
14:08	Castillo Téllez, Margarita	Concentrated Solar System for Ship Evaluation of Solar Still Depending on Air Velocity Conditions	6304	
14:10	Akar, Sertac	Renewable Thermal Energy Systems Designed for Industrial Process Solutions in Multiple Industries	3356	
14:12	Jesper, Mateo	Reference Applications for Renewable Heating Systems in Industry and Commerce	2309	
14:14	Poursanidis, Ioannis	Reverse Engineering of Energy Demand Profiles in Eu Livestock Farms	4106	
14:00-15:00 CEST	L2	Solar Resource Assessment	TUE_1A_L2	Anne Forstinger, Richard Perez
14:00	Tahir, Zia ul Rehman	Evaluation of Solar Radiation from Reanalysis and Analysis Datasets for Nine Stations in Pakistan	1066	
14:02	Forstinger, Anne	Expert Quality Control of Solar Radiation Ground Data Sets	2648	
14:04	Zamalloa Jara, Marco Antonio	Overirradiance Events and Their Impact on the Spectral Distribution at a Low-Latitude Site	5277	
14:06	Forero, Nelson	Evaluation of the Solar Energy Resource in the Central -Eastern Sector of Bogotá - Colombia	7980	
14:08	Perez-Astudillo, Daniel	Method for Flagging Shaded Solar Data Using a Semi-Graphical Representation	949	
19:30-20:30 CEST	G1	Grid Integration	TUE_2C_G1	
19:30	Pinto Costa, Lucas	Evaluation of Technical Feasibility and Financial Attractiveness of a 1MWp Solar Photovoltaic Generator on Ground and Building Rooftops At the Federal University of Santa Catarina - Brazil		
19:32	Hossain, Mohammad Kamal	Intelligent Approach for the Control of PMSG Based Wind Energy	3888	
-	,	System	8367	

19:34	Palm, Sami Florent	Performance Study of a Grid-connected Photovoltaic Solar System Using MATLAB/SIMULINK	3725
19:36	Olivares, Douglas	Characterization of Changes in the Soiling Properties and Deposition Rates Because of Groundworks Near a PV Plant in the	
		Atacama Desert.	1234
19:38	Mahapatra, Sadhan	Novel Hybrid GWO–IC Based MPPT Technique for PV System Under	
		Partial Shading Conditions	3988
19:40	Palomino Töfflinger, Jan Amaru	PV System Performance Analysis for PERC, HIT and CIGS Module Technologies in Lima, Peru	5296
19:42	Hu, Feng	Transient Simulation and Control Strategy of Supercritical CO2	5290
13.42	ria, reng	Solar Thermal Power Generation System	2638
		solar memari over seneration system	
19:30-20:30 CEST	Н3	SHC Technologies	TUE_2A_H3
19:30	Ushak, Svetlana	Compatibility Study of Commercial PCM and Metals/alloys for Potential Use in Building Applications	5026
19:32	Christodoulaki, Rosa	Performance Simulation and Monitoring Methodology of a Solar Cooling Installation in Aqaba, Jordan	2546
19:34	Simón Castellano, María José	Drying of Asphalt Plant Aggregates Using Concentrated Solar Energy	1992
19:36	Zhang, Fengyuan	Solar Thermal Cooling Driven Hydrate-Based Carbon Capture	
		Enabled by Tetra-N-Butylammonium Bromide and Sodium Dodecyl Sulphate	6590
19:30-20:30 CEST	M3	Solar Buildings	TUE_2B_M3
19:30		•	· ·
	Felbinger, Jonina	Adaptive Thermal Insulation for Thermal Activation of Building Components	8820
19:32	Felbinger, Jonina D'Almeida, Ricardo	Adaptive Thermal Insulation for Thermal Activation of Building	
	•	Adaptive Thermal Insulation for Thermal Activation of Building Components Implementation of Solar Strategies Within Different Urban Layouts Projects and Realizations of Advanced High Energy Efficient	8820
19:32	D'Almeida, Ricardo	Adaptive Thermal Insulation for Thermal Activation of Building Components Implementation of Solar Strategies Within Different Urban Layouts Projects and Realizations of Advanced High Energy Efficient Architecture as Examples for Achieving Global and EU Goals Scaling Rooftop PV in Cities of Varying Climate: an Essential Step	8820 4692
19:32 19:34	D'Almeida, Ricardo Miscevic, Ljubomir	Adaptive Thermal Insulation for Thermal Activation of Building Components Implementation of Solar Strategies Within Different Urban Layouts Projects and Realizations of Advanced High Energy Efficient Architecture as Examples for Achieving Global and EU Goals	8820 4692 5042 10740
19:32 19:34 19:36	D'Almeida, Ricardo Miscevic, Ljubomir Bahaj, AbuBakr	Adaptive Thermal Insulation for Thermal Activation of Building Components Implementation of Solar Strategies Within Different Urban Layouts  Projects and Realizations of Advanced High Energy Efficient Architecture as Examples for Achieving Global and EU Goals Scaling Rooftop PV in Cities of Varying Climate: an Essential Step Towards Low Carbon Cities	8820 4692 5042
19:32 19:34 19:36	D'Almeida, Ricardo Miscevic, Ljubomir Bahaj, AbuBakr	Adaptive Thermal Insulation for Thermal Activation of Building Components Implementation of Solar Strategies Within Different Urban Layouts  Projects and Realizations of Advanced High Energy Efficient Architecture as Examples for Achieving Global and EU Goals Scaling Rooftop PV in Cities of Varying Climate: an Essential Step Towards Low Carbon Cities Radiant Cooling and Heating System for Zero Enery Solar	8820 4692 5042 10740



Time	ISES Code	Session Title	Session Code	e Moderator
Slot	Author	Presentation Title	ID	
14:00-15:00 CEST	G2	Grid Integration	WED_1B_G2	
14:00	Hobbs, Benjamin	Development of Flexible Ramp Product Procurement for the	1281	
		California ISO using Probabilistic Solar Power Forecasts	1201	
14:02	Pawar, Punam	Hour-Ahead Bivariate and Multivariate Solar PV Power Forecasting for Effective Grid Integration	14047	
14:04	Malik, Abdul	Rural Electrification in Fiji	2820	
14:06	Rządkowska, Agnieszka	Artificial Intelligence Assisted Smart Photovoltaics	5481	
14:08	Kühnel, Sven	Holistic Approach for the Prediction of Electricity Load Profiles of		
		Rural Off-Grid Communities in Sub-Saharan Africa	4902	
14:10	Ferreira Torres, Pedro	Practical Insights for Microgrid Operation with Energy		
		Management Capable Prosumers	4082	
14:12	Quintana, Fernanda	In-Depth Assessment and Feasibility Study of a Solar PV Farm for a High-Altitude Region: Bridging the Gap Between Technical		
		Potential and Market Barriers in Kyrgyzstan	2099	
14:00-15:00 CEST 14:00	H4 Keuler, Jonas	SHC Technologies Energetic Comparison of Different Instantaneous Water Heater	WED_1A_H	
27.00		Concepts in a Solar Combi-System for a Multi-Family House with	4269	
		TRNSYS		
14:02	Beringer, Jakob	Performance Comparison of Different Types of Solar Thermal		
		Collectors on Residential Space Heating Demand in High-Altitude	2103	
		Cold Climatic Environment: A Simulation-Based Study		
14:04	Nedumparambil, Abinson	Temperature Based Determination of Volume Flow Rates in Pipes	F202	
		as a Low-Cost Option for Energy Measurements of Solar Thermal Systems	5292	
14:06	Jensen, Adam R.	Thermal Performance Assessment of the World's First Fresnel Lens	3851	
	V 1 61 V	Solar Collector Field	3031	
14:08	Yeh, Chung Yu	Numerical Analyse on Thermal Performance of Shape Stabilized PCM in a Solar Thermal Collector	3517	
14:00-15:00 CEST	M4	Solar Buildings	WED_1C_M	4
14:00	Roodneshin, Maryam	An Assessment on the Benefits of PV System Implementation on Clusters of Urban Roof-Top (Case Study in Barcelona)	7877	
14:02	Czachura, Agnieszka	Climate Representativeness of Simulation Weather Files in the	1180	
14:04	Bucher, Christof	Light of Climate Change and Urban Heat Islands Glare Hazard Analysis of Novel BIPV PV Module Technologies		
	,.		1375	
14:06	Molina Fuertes, Juan Omar	In-Situ Characterization and Dynamic Simulation of the Thermal	2270	
		Behavior of a "test Cell" in the Peruvian Highlands at 4500 Masl	2379	
14:08	Campamà Pizarro, Rafael	A Methodology to Streamline the Assessment of Existing	8241	
14.10	Viene Chan '	Neighbourhoods Towards Climate Neutrality	0241	
14:10	Xiang, Changying	Toward Architectural Design Method for Coloured FaÇade Integrated Photovoltaics, an Example from the Nodric Context	7949	
19:30-20:30 CEST	12	RE & Efficient Heating and Cooling Systems	WED_2B_I2	Ulrike Jordan, Hagen Braas
19:30	Osorio, Natalia	District Heating Pilot Assessment in a Southernmost City of Chile with Renewable Energy Sources	8570	
19:32	Brumana, Giovanni	Potential of Solar-Driven Cooling Systems in Mena Region	8841	
19:34	Chèze, David	Operational Behaviour of a Solar-Fed Bidirectional Substation for	2697	
19:36	Braas, Hagen	4GDH Networks Investigating Measures on Space Heating and Domestic Hot Water		
19.30	Didas, Hagell	Preparation Systems in Residential Buildings Regarding Their	4000	
		Impact on the Total Heat Demand and Return Temperatures in	4000	
10:29	lina Oinatai	District Heating Networks		
19:38	Jiao, Qingtai	Performance of a High Solar Fraction District Heating System	2787	
19:40	Roure, Robin	Model Predictive Control of Sun Coupled Innovative Heat Pumps	2595	
			2090	

19:42	Neugebauer, Martin	PYTRNSYS – An Open Source Python-Based Framework for Setting- Up, Running, and Processing TRNSYS Simulations	4905	
19:00-20:00 CEST	J1	Thermal Storage	WED_2C_J1	Luisa Cabeza
19:30	Angelillo, Alfredo	Boundary Conditions and Natural Temperature Decay from Experimental Data Analysis to On-Design of a Tank for CSP Power Plant	6695	
19:32	Calderón-Vásquez, Ignacio	Cyclic Operation of a Radial-Flow Packed-Bed Thermal Energy Storage for High-Temperature Applications	5378	
19:34	Cabeza, Luisa F.	Definition of Key Performance Indicators (KPIs) to Evaluate Innovative Storage Systems in Concentrating Solar Power (CSP) Plants	2065	
19:36	Gaviño, David	A novel discrete approach for thermal modeling of cylindrical packed bed	8539	
19:38	Milian, Yanio E	Solvent and Monomer Evaluation in the Synthesis of LiNO3 – SiO2 as Thermal Energy Storage Material	5096	
19:40	Cosquillo Mejia, Aldo Miguel	Development of a moving bed reactor for thermochemical energy	8554	

Evaluation of the Cooling Process of Thermal Storage Tanks with LiNO3-NaNO3-KNO3 Ternary Mixture as Working Fluid for CSP

Fluid Dynamic Analysis of a Molten Salt Prilling Tower for the Thermal Energy Storage System of a Solar Concentrating Solar

Power Plant Using an Eulerian-Lagrangian Approach

3413

5528

storage with novel encapsulated Ca(OH)2

Plants

19:42

19:44

Mendoza, Magin

Lague, Mauricio

Thursday, 28 October 2021

Time Slot	ISES Code Author	Session Title Presentation Title	Session Code ID	Moderator
14:00-15:00 CEST	J2	Thornal Staves	THU 1B J2	Anastasia Stamatiou
14:00 14:00	Ingenhoven, Philip	Thermal Storage Energetic Assessment of a High Temperature Packed Bed Storage System in Combination with a Solar Expanding-Vortex Particle Receiver	3352	Aliastasia stalliatiou
14:02	Koçak, Burcu	Integration of Packed-Bed Thermal Energy Storage in Solar Heat System for a Food Industry	3638	
14:04	Mastronardo, Emanuela	Lab-Scale Reactor Tests on Fe-Doped CaMnO3 for Thermochemical Heat Storage Application	802	
14:06	Mawire, Ashmore	Modelling of Oil Based Medium Temperature Sensible Heat Thermal Energy Storage Systems During Charging	1781	
14:08	Nair, Ajay Muraleedharan	Enhancing Heat Transfer in PCMS Using Expanded Graphite and Fins	1045	
14:10	Obasi, Gerard	Experimental Study on the Performance of an Advanced Integral Collector Storage System with Two Types of Phase Change Material Composites	8881	
14:00-15:00 CEST	L3	Solar Resource Assessment	THU_1C_L3	Natalie Hanrieder, Francisco Lima
14:00	Lin, Chin-An	South Asian Air Quality and Solar Energy Interaction	8011	
14:02	Hanrieder, Natalie	Why Natural Cleaning of Solar Collectors Cannot be Described Using Simple Rain Sum Thresholds	2333	
14:04	Di Laccio, José Luis	One-Minute Assessment of Photosynthetic Active Solar Radiation (PAR) Models in Uruguay	3027	
14:06	Ku, Jiyoon	Photovoltaic Site Selection by GIS Anlalysis for Train Station Power Supply	8089	
14:08	Vermeer, Damien	Towards More Precise Estimates of Land-Use Requirements for Solar Photovoltaic Power Plants	1384	
14:10	Marzo, Aitor	Assessment of the Atmospheric Extinction for Solar Tower Power Plants along the Sun Belt: Preliminary Results.	6610	
14:12	Perez-Astudillo, Daniel	Spectral Solar Radiation Characteristics Under Desert Conditions	2213	
14:14	López Rodríguez, Gabriel	Increasing the Resolution and Spectral Range of Measured Direct Irradiance Spectra for PV Applications	14142	
14:00-15:00 CEST	N1	ISREE	THU_1A_N1	Middleton, Kazmerski
14:00	Ramos Martins, Fernando	Challenges of Education in Energy and Environment: Comparison Before and After Pandemic Constraints	3150	
14:02	Oliphant, Monica	Climate Action and the Future of Education	5820	
14:04	Neumann, Hannah	Development of Open Educational Resources for Renewable Energy and the Energy Transition Process	14245	
14:06	Miscevic, Ljubomir	Experiences in Renewable Energy Education Based on the Long- Term Continuity of Implementation of Various Architectural Courses and Activities	15237	
14:08	Broman, Lars	Interactive Solar Energy Exhibition	872	
14:10	Papapostolou, Christiana	The Role of Universities in Accelerating the Sustainable Development Goals (SDGs): Progress and Lessons Learnt from European Universities	6274	
19:00 - 19:30 CEST	J3	Thermal Storage	THU_2B_J3	Anastasia Stamatiou
19:00	Kicker, Harald	Life Cycle Assessment of Large-Scale Thermal Energy Storage Systems for District Heating Networks: Part A - Pit Storage	6133	
19:02	He, Mingfei	A Technical Introduction of Water Pit for Long-Term Seasonal Solar Thermal Energy Storage	3471	
19:04	Jensen, Adam R.	Thermal Inspection of Water Pit Heat Storages Using Drones	3824	
19:06	Torbarina, Fran	Numerical Model of System with Heat Pump and Latent Thermal Energy Storage	1940	
19:08	Mendoza, Magin	Thermal Performance Evaluation of a Shell and Tube Thermal Energy Storage System with Solar Salt for Low Temperature Applications	5591	
19:10	Schmidt, Matthias	Balance of Renewable Electricity and Heat Demand in Buildings – Pilot Plant Operation of a Novel Seasonal Thermochemical Storage System	3924	

19:12 19:14	Reinaga, Nicole Dragsted, Janne	Desing of Phase Diagram of Nitrate Salt Based Mixture with Potencial in Solar Heating Application Investigation of TRNSYS Model of an Air-Water Heat Pump with a PCM Storage and Control Unit	5748 4749	
19:00-20:00 CEST	L4			Hans Georg Beyer, Rodrigo Alonso-
13.00 20.00 CL31		Solar Resource Assessment	THU_2C_L4	Suárez
19:00	Herrerias, Martin	Probabilistic Estimation of Irradiance Components: a State Space		
		Framework to Integrate Empirical Models, Forecasts, and	4233	
		Imperfect Sensor Measurements		
19:02	Thebault, Martin	Benchmark Study of Simulation Tools to Model the Solar	3945	
		Irradiation on Building Facades	3943	
19:04	Wang, Leilei	/ang, Leilei Design and Focusing Performance Simulation of Trough Solar	3312	
		Concentrator	3312	
19:06	Piccioli, Inti	Azimuth Detection from Solar Irradiance on Tilted Surfaces	4610	
19:08	Danjuma Safyanu, Bashir	Solar Energy Potentials to Develop Power Device Sizing and Integration for Solar-Powered Aircraft (UAV) Application	709	

Friday, 29 October 2021

Time	ISES Code	Session Title	Session Code	Moderator
Slot	Author	Presentation Title	ID	
12:00-13:00 CEST	B1	c-Si Photovoltaics	FRI_1C_B1	Yamaguchi, Hallam
12:00	Tahir, Zia ul Rehman	Effect of Temperature and Wind Speed on Efficiency of Five		ramagacin, rianam
		Photovoltaic Module Technologies for Different Climatic Zones	893	
12:02	Töfflinger, Jan Amaru Palomino	Module-Performance Evaluation of Seven Photovoltaic	5409	
12:04	Hossain, Mohammad Kamal	Technologies in Lima-Peru Nitrogen-rich MZnO: Efficient Metal-doped Zinc Oxide for Thin Film	7816	
12:06	Weiß, Karl-Anders	Solar Cell Applications Needs, Challenges and Approaches for new Service Life Estimation Models for PV Modules – Results from IEA PVPS Task 13 Subtask	7735	
12:08	Zhang, Yuchao	1.4 Sustainability of Screen-Printed Solar Cells: Perspectives of a Multi-	2733	
12:10	Li, Xiaodong	Terawatt Industry Valuable Materials Recycling from C-Si Photovoltaic (PV) Modules	7993	
12:00-13:00 CEST	E2	Solar Thermal Electricity	FRI_1B_E2	
12:00	Pérez-Álvarez, Rafael	Creep-Fatigue Damage of Solar Tower Receiver Tubes Caused by Their Start-Up Preheating	5142	
12:02	Laporte-Azcué, Marta	Creep and Fatigue Damage Assessment for Molten-Salt Central	2851	
12:04	Sanchez SeÑoran, Daniel	Receivers Numerical Simulation of Convective Heat Transfer Coefficient in	4815	
12:06	Resch, Alois	Wire Mesh Absorbers Triethylenglycol as Novel Heat Transfer Fluid for CPVT Collectors	1269	
12:08	Ayala-Cortés, Alejandro	with Spectral Splitting Solar Hydrothermal Liquefaction: Effect of the Operational Parameters on the Fuels	6462	
12:10	Serafim Martins, João Humberto	Assessment of Concentrated Solar Power Design Parameters for Levelized Cost of Energy Reduction and Capacity Factor	1204	
12:12	Larsson-Mastonstråle, Stefan	Enhancement  evelopment of a 2-axis CSP Concentrator with Integrated Thermal	5236	
12:14	Asaad Hameed Sayer, Asaad	Storage An Evaluation to the Evacuated Tube Solar Collectors for Arid and Hot Areas	2782	
12:00-13:00 CEST	13	RE & Efficient Heating and Cooling Systems	FRI_1A_I3	Eduardo Zarza, Alan Bigelow
12:00	Bigelow, Alan	Development and Implementation of a Performance Evaluation	1483	, 3
12:02	González-Mora, Eduardo	Process (PEP) for Solar Thermal Cooking Devices Optical Evaluation of Tolokatzin-2020 High-Efficiency Solar Cooker	3897	
12:04	Nielsen, Elsabet	Solar Cooking Using PCM Heat Storage - Experimental	4198	
12:06	Castillo Téllez, Margarita	Investigations of the Sunstore Solar Cooker Direct and Mixed Solar Drying Effect on Kinetics and Colorimetry of	5837	
12:08	Liyew, Kassa Wudineh	Edamame (Glycine max (L.) Merr.) A Techno-Economic Analysis of Solar Injera Baking Systems	3779	
12:10	Molinaroli, Luca	Energy and Economic Analysis of a Solar Assisted Heat Pump for Pasteurization Process	1955	
12:12	Pino, Alan	Solar Energy Opportunity Map for the Spanish Microbrewery Industry	3676	
14:30-15:30 CEST	C1	Other PV Technologies	FRI_2B_C1	Michael Graetzel
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