

# SOLARTR 2018

SOLAR CONFERENCE & EXHIBITION  
29 - 30 NOVEMBER 2018  
ICI, ODAKULE, ISTANBUL

www.solartr.org.tr

## CONFERENCE PROGRAM

29 November 2018, Thursday

08:00 –09:30	Registration	
09:30 –11:00	<b>1PS01: Conference Opening</b> Opening ceremony and speeches	
11:00 –11:30	Poster Presentations & B2B Meetings / Networking Break – Refreshments	
11:30 –13:00	<p><b>1OP01: PV CELL/MODULE DEVELOPMENT</b> <b>Session Chair: To be announced soon</b></p> <p>Fabrication and characterization of GaInNAs - based nipi solar cell <i>Aqaqeldi Muhammetqulyyev, Baris Kinaci, Arto Aho, Yesim Yalcin, Caglar Cetinkaya, Furkan Kuruoglu, Mircea Guina, Ayse Erol</i></p> <p>Temperature mapping of PV modules <i>Murat Aldemir, Ertan Arıkan, Çiğdem Besen</i></p> <p>Stabilization of copper solar cell contacts by spin coated titanium dioxide thin films <i>Lyes Benharrat, Abderrahmane Moussi, Samir Meziani, Sofiane Chaouchi, Abdelkader Djelloul</i></p> <p>Fabrication and characterization of Nickel Oxide thin films for smart glass applications <i>Yunus Emre Fırat, Seyit Rıza Tokgöz, Ahmet Peksöz</i></p> <p>A New Hole Transport Layers in Perovskite Solar Cells for High Stability and Solar Efficiency <i>Bayram Kılıç</i></p> <p>Increasing the efficiencies of photovoltaic (PV) module via aluminium foam fins <i>Fatih Bayrak, Hakan Fehmi Öztop</i></p>	<p><b>1SP01: Turkish Solar Market and R&amp;D Studies</b></p> <p><b>Panelists:</b> <b>To be announced soon</b></p>
13:00 –14:00	Networking Break	
14:00 –16:00	<p><b>1OP02: SOLAR ENERGY TECHNOLOGIES AND BUILDINGS</b> <b>Session Chair: To be announced soon</b></p> <p>Air Preheating For Air-Source Source Heat Pumps with Solar PVT For Comfort Indoor Heating And Cooling <i>Bırol Kilkis</i></p> <p>Experimental Study of Nanofluid Optical Properties with the Aim of Using in Direct Absorption Solar Collectors <i>Majid Valizade, Mohammad Mahdi Heyhat, Mehdi Maerefa</i></p> <p>Improving Architectural Design for Energy Efficiency: Optimal Window and Shading Design for Southern Facades in Amman <i>Heba Hisham Nazer, Ayoub Esa Abu Dayeh</i></p> <p>Advanced energy solutions at complicated buildings <i>Yasemin Somuncu, Atilla Dönük, Selman Sağlam, Yunus Çerçi, Onur Günduru, Mustafa Pınar Mengüç</i></p>	<p><b>1SP02: Rooftop Solar</b></p> <p><b>Panelists:</b> <b>To be announced soon</b></p>

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	<p>An Enterprise Model For Low Carbon Strategy in Pool Buildings Using Solar <i>Mehmet Ziya Soqut, Arif Hepbasli, Tahir Hikmet Karakoc</i></p> <p>Evaluation of energy efficiency of horizontal shading device integrated with photovoltaic panels <i>Hatice Merve Yanardağ, Gaye Gunaydin, Gulten Manioglu</i></p> <p>The effect of hot water consumption profile on the long-term system performance of a residential solar hot water system <i>Ibrahim Halil Yilmaz</i></p> <p>Solar regulation in architecture with 3D fibrous production methods <i>Onur Kırdök, Ayça Tokuç</i></p>	
16:00 –16:30		
16:30 –18:00	<p><b>1OP03: INDUSTRIAL SOLAR ENERGY APPLICATIONS</b> <b>Session Chair: To be announced soon</b></p> <p>Comparative techno-economic study of a solar thermal power plant using different technology and various capacities in the sub-saharan countries: case of the northern part of Cameroon <i>Alain Christian Biboum, Ahmet Yılanç</i></p> <p>Optimization of a molten salt concentrating solar power tower heliostat field: Case study for Adana <i>Ibrahim Halil Yilmaz</i></p> <p>Enhancement of the thermal performance of a parabolic trough solar collector using wire coil inserts <i>Aqrey Mwesiaye, Ibrahim Halil Yilmaz, Taha Tuna Göksu</i></p> <p>Gsm Relay Controlled Solar Thermal And Photovoltaics Supported Fruit Drying Cabinet <i>Bartu Buğatur</i></p> <p>An oil based indirect solar fryer for injera baking application <i>Mesele Hayelom Hailu, Mulu Bayray Kahsay, Asfafaw Haileselassie Tesfay, Ole Jørgen Nydal</i></p> <p>Development and implementation of low cost data logger for solar energy applications <i>Mehmet Ali Dayıoğlu, Ayten Onurbaş Avcıoğlu, Ufuk Türker</i></p>	<p><b>1SP03: Role of Local Authorities in Solar Future</b></p> <p><b>Panelists:</b> <b>To be announced soon</b></p>

END OF FIRST DAY, SEE YOU TOMORROW... ☺



## CONFERENCE PROGRAM

13:00 –14:00	Networking Break – Lunch	
14:00 –16:00	<p><b>20P06: SOLAR ENERGY AND URBAN/RURAL DEVELOPMENT</b></p> <p><b><u>Session Chair: To be announced soon</u></b></p> <p>Constructing Solar Mapping for Yemen Country <i>Raimon Omar Bawazir</i></p> <p>Solar powered vaccine refrigerator <i>Waleed Sunjug, Ahmad Al Qawasimi, Osama Ayadi, Mahmoud Khader, Amr Mansour</i></p> <p>Assessment of solar energy production potential of buildings based on urban texture <i>Halit Beviztas, Gul Koclar Oral</i></p> <p>The impact of solar gain and daylight availability on building energy loads related to urban geometry <i>Idil Erdemir Kocaqil, Gül Koçlar Oral</i></p> <p>A solar based scenario analysis for Burdur, Turkey <i>Doğançan Beşikci, Egemen Sulukan, Tanay Sıdkı Uyar</i></p> <p>Solar Community; A Sustainable Urban Cell <i>Razieh Mohammadzadeh</i></p> <p>Architecture: the intermediate link between Sustainability and Solar Energy <i>Razieh Mohammadzadeh</i></p> <p>PEM Fuel Cell Based Hybrid Energy System for Greenhouse Applications <i>Ceren Cevlan, Yılsır Devrim</i></p> <p>The Role of Renewable Energy Cooperatives in Rural Development: A Case Study <i>Günnur Koçar, Ahmet Eryaşar, Sevim Özgül</i></p>	<p><b>2SP06: Energy Storage and Electrical Vehicles</b></p> <p><b><u>Panelists:</u></b> <b>To be announced soon</b></p>
16:00 –16:30	Poster Presentations & B2B Meetings / Networking Break – Refreshments	
16:30 –18:00	<p><b>20P07: SOLAR ENERGY, SOCIETY AND CLIMATE CHANGE</b></p> <p><b><u>Session Chair: To be announced soon</u></b></p> <p>Renewable energy solutions and Climate Change Effects in Municipalities of Turkey <i>Aslı Harmanlı Olgun</i></p> <p>The effect of urban textures on buildings' solar gains and energy performances in the context of climate change <i>Suzi Dilara Manağ, Gül Koçlar Oral</i></p> <p>An overview on the environmental impacts of photovoltaic panel production <i>Beril Gündoğan Yağbasan, Günnur Koçar</i></p> <p>Investigation from agricultural perspective of areas selected for installation of solar power plant in Turkey <i>Bençinur Baştabak, Günnur Koçar</i></p> <p>Renewable energy, CO2 Emission and sustainable development in Middle East Countries and Iran <i>Fatemeh Mahmonir Shahrtash</i></p> <p>Holistic Energy Management with Solar Energy For Integrated</p>	<p><b>2SP07: Operation, Maintenance and Insurance</b></p> <p><b><u>Panelists:</u></b> <b>To be announced soon</b></p>

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	<p><b>Production Processes and Agricultural Basins</b> <i>Mehmet Ziya Soqut</i></p> <p><b>The use of organic materials created by solar energy in the creation of new biocomposites</b> <i>Merve Uyan, Mustafa Çakır, Melih Soner Çeliktas</i></p>	
18:00 –18:30	Closing Ceremony and Remarks	
LET'S MEET IN SOLAR TR2020... 😊		