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UNDER THE PATRONAGE OF **H.E. DR. JENAN BOUSHEHRI**  
THE **MINISTER OF STATE FOR HOUSING & CHAIRMAN OF THE PUBLIC AUTHORITY FOR HOUSING WELFARE**

**RENEWABLES: A KEY DRIVER FOR CLEAN ENERGY TRANSITION**  
**SOLAR ENERGY WORKSHOP**

**2 AND 3 DECEMBER 2018**

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**KUWAIT CITY, KUWAIT**

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SUNDAY 2 DECEMBER 2018

**07:30-08:30 Registration and Networking**

**08:30-09:00 Opening Remarks**

- **H.E. Dr. Jenan Boushehri**, Minister of State for Housing & Chairman of the Public Authority for Housing Welfare
- **Eng. Faisal Alajmi**, Chairman of Kuwait Society of Engineers
- **H.E. Mr. Sigurd Pacher**, Ambassador of Austria and representing the local presidency of the EU in Kuwait
- **Dr. Mustapha Taoumi**, Energy Technology Expert, EU GCC Clean Energy Technology Network

**09:00-09:15 Honoring Ceremony**

**09:15-09:45 Introductory session**

**Prof. Aymeric Girard**, European Energy Center

*Assessing the energy demand and optimum integration of renewable energy following the 3 E concept for sustainable development*

**09:45-11:15 Session I: Solar energy technologies and their role in energy transition pathways**

**Moderator: Eng. Samer Zawaydeh**, Independent Engineer, Association of Energy Engineers, 2019 President Elect USA, Jordan

**Keynote speaker: Dr. Ana Rosa Lagunas**, CENER, PV Director; EU GCC Clean Energy Technology Network Senior Expert  
*Solar Energy technologies and markets trends*

**Speakers:**

**Eng. Meshal Alseidy**, Project team leader, KNPC  
*1.5 GW Solar PV projects in Kuwait, Aldibdliibah*

**Dareen Ayyad**, Jinkosolar, Business Development Manager Middle East at Jinko Solar Co. Ltd  
*Innovation in technology and product reliability*

**Hassan Halouda**, Technical Sales Engineer Inverter & MV Stations, EMEA, Canadian Solar EMEA GmbH  
*Introducing of Bi-Facial Ku modules to GCC markets*

**Dr. Mustapha Taoumi**, Energy Technology Expert, EU GCC Clean Energy Technology Network  
*Renewables: a key driver for the clean energy transition and Climate Change mitigation*

**Q&A Session**

**11:15-11:45 Networking Break**

**11:45-13:00 Session II: Strategies, policies, regulations and business models to promote Solar Energy**

**Moderator: Prof. Aymeric Girard**, European Energy Center (EEC)

**Keynote speaker: Dr. Mustapha Taoumi**, Energy Technology Expert, EU GCC Clean Energy Technology Network  
*Overview of regulatory frameworks and policies necessary to drive the uptake of Renewables in the MENA Region*

**Speakers:**

**Luca Polizzi**, Research Policy Officer, European Neighbourhood Policy, Africa and the Gulf, European Commission, DG Research & Innovation  
*EU research and innovation renewable energy policies and priorities: focus on Horizon 2020 energy calls on solar power*

**Eng. Samer Zawaydeh**, Independent Engineer, Association of Energy Engineers, 2019 President Elect USA, Jordan  
*Successful drivers of change: renewable energy and energy efficiency regulatory framework in Jordan*

**Ana Amazo Blanco**, Senior Consultant, Ecofys, a Navigant company  
*Optimizing auction design for solar PV*

**Cornelius Matthes**, Senior Vice President, Dii Desert Energy, CEO Kuwekeza Holdings  
*The next phase: solar energy beyond large and ultra competitive tenders and for different applications*

**Q&A Session**

**13:00-14:00 Prayer and Lunch break**

**14:00-15:00 Session III: Panel discussion on how to foster partnerships between EU and GCC stakeholders**

**Moderator: Frank Wouters**, Director, EU GCC Clean Energy Technology Network

**Panelists:**

- **Dr. Hassan Qasem**, General Manager, Alternative Energy Project Co, Kuwait
- **Dr. Osamah Alsayegh**, Executive Director, Energy & Building Research Center, Kuwait Institute for Scientific Research (KISR)
- **Prof. Aymeric Girard**, European Energy Center (EEC)
- **Dr. Ana Rosa Lagunas**, CENER, PV Director; EU GCC Clean Energy Technology Network Senior Expert
- **Cornelius Matthes**, Senior Vice President, Dii Desert Energy, CEO Kuwekeza Holdings

**Q&A Session**

**15:00 – 16:00 Tutorial 1: Renewable energy and energy efficiency regulatory framework**

**Eng. Samer Zawaydeh**, Independent Engineer, Association of Energy Engineers, 2019 President Elect USA, Jordan

**Q&A Session**

MONDAY 3 DECEMBER 2018

**08:30-09:00 Registration and Networking**

**09:00-10:30 Session I: PV solar energy and storage technologies**

**Moderator: Dr. Mustapha Taoumi**, Clean Energy Technology Expert, EU-GCC Clean Energy Technology Network

**Keynote speaker: Duncan Ritchie**, Partner, Apricum

*Opportunities for solar energy and energy storage in a post-subsidy renewables world*

**Speakers:**

**Dr. Ana Rosa Lagunas**, CENER, PV Director and EU GCC Clean Energy Technology Network Senior Expert

*A holistic view of storage for electricity*

**Frank Wouters**, Director, EU GCC Clean Energy Technology Network

*The role of hydrogen in the energy transition*

**Rabih Baroud**, Sales Director Middle East & North Africa, SMA-ME

*Sun central storage system, the solution for 100% renewable integration*

**Mohamed Alsayer**, Director and Member of the Sustainable Committee, Alsayer Group

*Current and future solar projects in Kuwait*

**Q&A Session**

**10:30-1100 Networking Break**

**11:00-11:45 Session II: Concentrated Solar Power (CSP) and thermal storage solutions**

**Moderator: Dr. Ana Rosa Lagunas**, CENER, PV Director and EU GCC Clean Energy Technology Network Senior Expert

**Speakers:**

**Frank Wouters**, Director, EU GCC Clean Energy Technology Network

*Concentrating solar power and PV, friend or foe?*

**Dr. Ayman AlQattan**, Renewable Energy Program Manager, Kuwait Institute for Scientific Research (KISR)

*The KISR's 50 MW CSP plant with thermal storage in Shagaya*

**Q&A Session**

**11:45-13:00 Session III: Roof top and distributed solar technologies and business models**

**Moderator: Dr. Mohamed Alhajri**, Head of Electrical Engineering Technology Department, College of Technological Studies, Kuwait

**Speakers:**

**Dr. Hassan Qasem**, General Manager, Alternative Energy Project Co.

*Distributed solar in Kuwait, potential and opportunity*

**Eng. Samer A. Zawaydeh**, Independent Engineer, Association of Energy Engineers, 2019 President Elect, Jordan

*Utility scale and distributed solar PV projects in Jordan*

**Raka Sarkar**, Analyst MENA, Finergreen

*Rooftop solar PV and the C&I sector in the UAE & GCC countries*

**Dariusz K. Kolasinski**, CEO, Gulf Renewable Energy Environment & Nature -GREEN

*Solar PV carports - case study from two reference projects constructed in Kuwait*

**Q&A Session**

**13:00-14:00 Prayer and lunch break**

**14:00-15:00 Session IV: Smart grids and smart meters**

**Moderator: Eng. Salem AlAjmi**, Renewable Energy Expert, Sustainable Solutions Consultancy

**Speakers:**

**Dr. Mohammad Alharibat**, Smart Energy & Communications Infrastructure, Ministry of Electricity & Water Kuwait

*Advanced metering infrastructure (AMI) approach for Ministry of Electricity and Water, Kuwait*

**Dr. Mustapha Taoumi**, Energy Technology Expert, EU-GCC Clean Energy Technology Network

*The role of smart grids in integrating variable Renewable Energy sources*

**Eng. Bedor Alsharrah**, Public Authority for Housing Welfare, Kuwait

*Smart grids*

**Q&A Session**

**15:00 – 15:45 Tutorial 2: Solar PV project development**

**Eng. Samer Zawaydeh**, Independent Engineer, Association of Energy Engineers, 2019 President Elect USA, Jordan

**Q&A Session**

**15:45-16:00 Wrap up & conclusions**