



**April 26-27, 2021**

**2<sup>nd</sup> INTERNATIONAL WEBINAR**

**ENERGY**

**THEME: A Step Towards Future Energy**



DAY 1:  
APRIL 26, 2021

# KEYNOTE SESSION I

**Title: Renewable, sustainable energy and resources**

**YOSHINOBU KUSANO**  
RENOVA, Inc



11:15 -11:45 AM

**Title: Stereolithographic Additive Manufacturing of Ceramic Components for Effective Energy Storages**

**SOSHU KIRIHARA, Osaka University**



11:45 -12:30 PM

**Title: Heat Transfer Analysis on Effect of MPL as well as Thicknesses of PEM and GDL on Temperature Distribution in Single Cell of PEFC Operated at Higher temperature than Usual**

**AKIRA NISHIMURA, Mie University**



12:30 -13:15 PM

# ORAL SESSION I

**Title: Future prospects and confines of  
biorefinery- an Indian perspective**

**ANIL KUMAR SARMA**

Sardar Swaran Singh National  
Institute of Bio-Energy



**13:15 -13:45 PM**

**Title: Low viscosity biodiesel production  
through targeted modulation of Brassica  
Seed Triglycerides Pathway**

**IQBAL MUNIR**

The University of Agriculture  
Peshawar

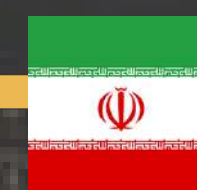


**13:45 -14:15 PM**

**Title: Application of phase change materials in  
thermal management and energy storage systems**

**SEYED MOJTABA SADRAMELI**

Tarbiat Modares University



**14:15 - 14:45 PM**



**Title: Energy performance of hydrothermal carbonization of wet biomass residue from Olive Oil production**

**STÉPHANE BOSTYN**  
University of Orleans



**14:45 -15:15 PM**

**Title: Comparison of cost analysis for biodiesel production from waste cooking oil plant in Egypt using traditional method and ultrasonic technique**

**ABDALLAH EL GHARBAWY**  
Cairo university



**15:15 - 15:45 PM**

**Title: Energy Production from sea waves: Potential assessment and energy extraction**

**ADEM AKPINAR**  
Bursa Uludag University



**15:45 -16:15 PM**

**Title: Equation of state molar volume fractal dimension for characterizing Shajara reservoirs of the permo-carboniferous Shajara formation, Saudi Arabia**

**KHALID ELYAS MOHAMED ELAMEEN  
ALKHIDIR  
King Saud University**



**16:15 -16:45 PM**

**Title: Energy Services: A proposed framework to improve results**

**OLEKSANDR NOVOSELTSEV  
Institute of Engineering Thermophysics**



**16:45 - 17:15 PM**

**Title: The new energy dynamics in the fifth industry revolution( 5IR) for new socio-economic Era  
"Challenges and Prospects"**

**MOHAMMED AL TA'ANI  
Arab Renewable Energy Commission  
Secretary General**



**17:15 -17:45 PM**

**Title: Using the jet stream for sustainable airship and balloon transportation of cargo and hydrogen**

**JULIAN HUNT**

Postdoctoral Research



**17:45 - 18:15 PM**

**Title: Improvement of the performance of alkaline water electrolysis, by applying a chemical pickling treatment to its electrodes**

**MARIA JOSÉ LAVORANTE**  
University of National Defense



**18:15 -18:45 PM**

**TO BE CONTINUED TOMORROW...**



DAY 2:  
APRIL 27, 2021

# ORAL SESSION I

**Title: Biodiesel as a Transportation Fuel**

**PRADEEP LINGFA**

North Eastern Regional Institute of  
Science & Technology



14:30 -15:00 PM

**Title: Carving a Niche in Indian biomass  
energy sector through proactive visio**

**COLONEL ROHIT DEV**

Punjab Renewable Energy Systems  
Private Limited



15:00 -15:30 PM

**Title: Deep learning for wind energy: Time  
series forecasting**

**FARAH SHAHID**

Institute of Engineering and Applied  
Sciences



15:30 -16:00 PM

**Title: Viability of wood dust biomass of Ahun (*Alstonia congensis* Engl.) for solid fuel production**

**HELEN OLAYINKA OGUNSUYI**

**Federal University of Technology**



**16:00 - 16:30 PM**

**Title: Sustainable Development Goals: Implications of post-pandemic-time in the SDG 7 through Brazilian Case**

**MARIA CÂNDIDA ARRAIS DE  
MIRANDA MOUSINHO**

**Institute of Education, Science and Technology**



**16:30 -17:00PM**

## **KEYNOTE SESSION I**

**Title: Don't want it? Don't buy it! Consumer Power on the power market**

**SIR PER RIBBING**

**Uppsala University**



**17:00 -17:45 PM**



**Title: Weighing criteria to evaluate projects: A comparison of multi-criteria analysis and social-welfare analysis**

**OMID M. ROUHANI**  
Cornell University



**17:45 -18:30 PM**

**Title: The role of green hydrogen in the Race-to-Zero**

**JOHN W. SHEFFIELD**  
Purdue University



**18:30 - 19:15 PM**

**Title: Composite micro-nano-hetro-structures for nuclear power applications**

**LIVIU POPA-SIMIL**  
Los Alamos Academy of Sciences



**19:15 -20:00 PM**

# ORAL SESSION II

**Title: Meta-material made super-capacitor that harvests nuclear particles kinetic energy and delivers it as electricity**

**LIVIU POPA-SIMIL**

Los Alamos Academy of Sciences



20:00 -20:30 PM

**Title: Ordered polymer Complexes in Ionics and Electronics**

**JIHUA CHEN**

Center for Nanophase Materials Sciences,  
Oak Ridge National Laboratory



20:30 -21:00 PM

**Title: Using Data and Analytics to Solve DER Challenges**

**JOHN DIRKMAN**

Nexant



21:00 - 21:30 PM

**SESSION ADJOURNMENT**