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International Experts Summit on Power and Energy Engineering



June 15–17, 2026



Rome, Italy

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TENTATIVE PROGRAM



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Day 1 (June 15, 2026)

08:30-09:30 Registrations in Main Hall

09:30-09:35 Introduction

09:35-10:00 Opening Ceremony

Plenary session

10:00-10:40 Lightweight Heat Pipe Radiator for Nuclear Reactor Power Systems on Lunar Surface

Mohamed S. El-Genk, *University of New Mexico, USA*

10:40-11:20 Dicyandiamide assisted highly interconnected hierarchical pore structure in coal tar pitch-derived carbon towards high-performance Zn-ion hybrid capacitor

Jieshan Qiu, *Beijing University of Chemical Technology, China*

11:20-11:35

Refreshments Break@ Foyer

Keynote Session

11:35-12:10 Phenolic condensation and facilitation of fluorescent carbon dot formation: a mechanism study

Yong Sung Park, *Seoul National University, South Korea*

12:10-12:45 Performance evaluation of a waste-heat driven adsorption system for automotive air-conditioning: Part II - Performance optimization under different real driving condition

Khaled Harbi, *Taibah University, Saudi Arabia*

12:45-13:00

Group Photo & Networking Session

13:00-14:00

Lunch Break

14:00-14:35 Complementary self-assembled monolayers enabling improved energy level alignment in inverted perovskite solar cells

Hong Xiao, *Hunan University, China*

14:35-15:10 Hybrid Rate-Independent Maxwell–Wiechert Device for Seismic Control of Long-Period Structures

Wei Liu, *Huazhong University of Science and Technology, China*

Work Shop

15:10-15:45 Optimizing energy planning in countries with extreme climates: a methodological proposal for the Colombian case

César Dubbier Castro, *Industrial University of Santander, Colombia*

16:15-16:30

Refreshments Break@ Foyer

16:30-18:00 Double-filtration impact for the spectrally-splitting optical filtration in the concentrated hybrid photovoltaic-based solar system

Ahmed Abdelrazik, *American University of Bahrain, Bahrain*

Speaker Slots Available

Day 2 (June 16, 2026)

08:30-09:30 Registrations in MainHall

Plenary Session

09:30-10:10 Renewable energy and environmental awareness and opinions: A survey of university students in Canada, Romania and Turkey revisited 16 years later

Ismet Ugursal, *Dalhousie University, USA*

10:10-10:50 Dynamic thermal and mass transport in PEM fuel cells at elevated temperatures and pressures: A 3D model study

Jim P. Zheng, *University at Buffalo, USA*

Keynote Session

10:50-11:35 Energy consumption prediction using Petri Nets-ANFIS development technique

Isa Qamber, *King Saud University, Saudi Arabia*

11:35-11:50

Refreshments Break@ Foyer

Featured Talks

11:50-12:20	Detection of Sexism on Social Media with Multiple Simple Transformers
	Divya Chaudhary , <i>Northeastern University, USA</i>
12:20-12:50	Measuring the 3-30-300 rule to help cities meet nature access thresholds
	Hanshen Li , <i>Shanghai Jiao Tong University, China</i>
12:50-13:20	Flexible Wing Design Structural Performance Under Static Aeroelastic Condition
	Hidayatullah Mohammad Ali , <i>Universiti Putra Malaysia, Malaysia</i>
13:20-14:20	Lunch Break
14:20-14:50	Effects of break geometry and orientation on helium-air mixing in simulated reactor cavities of high temperature gas reactors
	Hitesh Bindra , <i>Purdue University, USA, Ireland</i>
14:50-15:20	A Remote Monitoring and Control System for Lithium-Ion Batteries Based on STM32 and MQTT Protocol
	Zhengnan Cao , <i>Dundalk Institute of Technology, Ireland</i>
15:20-15:50	Artificial intelligence tools and techniques to combat herbicide resistant weeds—a review
	Shirin Ghatreh Samani , <i>Penn State University, USA</i>
Speaker Slots Available	

Day 3 (June 17, 2026)	
08:30-09:30	Registrations in Main Hall
Featured talk	
09:30-10:00	Enabling Owner-Occupiers To Retrofit: A Practice-Based Study Of Architects'educative Role
	Habib Ghasemi , <i>Cardiff University, Wales</i>

10:00-10:30 **How to Author a Successful Manuscript for “Current Applied Materials”**

Kenji Uchino, *Penn State University, USA*

10:30-11:30 **Flexible all-organic composites with ultrahigh energy storage density for wearable electronics**

ZhongYang (Z.-Y.) Cheng, *Auburn University, USA*

11:30-11:45

Refreshments Break@ Foyer

11:45-12:15 **Phenolic condensation and facilitation of fluorescent carbon dot formation: a mechanism study**

Yong Sung Park, *Seoul National University, South Korea*

12:15-13:45 **Performance evaluation of a waste-heat driven adsorption system for automotive air-conditioning: Part II - Performance optimization under different real driving condition**

Khaled Harbi, *Taibah University, Saudi Arabia*

13:45-13:20 **Spray cooling on enhanced surfaces: A review of the progress and mechanisms**

Peixue Jiang, *Tsinghua University, China*

12:55-13:55

Group Photo & Lunch Break

14:20-14:50 **A generalized coarse-graining discrete-element method with variable scaling ratios based on non-dimensional contact equation**

Shuiqing Li, *Tsinghua University, China*

14:50-15:20 **Effect of a calcium-based catalyst on the pyrolysis characteristics of oil sludge and its products**

Qiang Song, *Tsinghua University, China*

Speaker Slots Available

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