



GLOBAL RESEARCH CONFERENCE ON

POWER, ENERGY AND ELECTRICAL ENGINEERING

 August 29-31, 2024  Kuala Lumpur, Malaysia

Theme: "Production, Utilization and Importance of Power and
Energy Engineering"


TENTATIVE PROGRAM



FOSTER RESEARCH
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Day 1: August 29, 2024

09:00–09:15	REGISTRATIONS
09:15–09:45	Opening Lecture: Conference Chair: Gordon Huang, University of Regina, Canada Conference Co-Chair: Hazlie Mokhlis, Universiti Malaya, Malaysia
PLENARY TALKS	
09:45–10:25	Title: “Optimal Dispatch of Energy Storage Systems Including EV Charging in a Competitive Electricity Market” Z Y Dong , City University of Hong Kong, Hong Kong
10:25–11:05	“Quantum Mechanically Effective Device for Permanent Magnetic Plasma Confinement in a Fusion Reactor” Ahmed Boutejdar , German Research Foundation dfg, Germany
11:05–11:20	COFFEE BREAK
11:20–12:00	Title: “Recent Developments in Photovoltaics” Martin A Green , University of New South Wales, Australia
12:00–12:40	Title: “Contactless Magnetic Sensing in Condition Monitoring and Anomaly Detection for Smart Grid: New Possibilities and Alternatives” Philip Pong , The University of Hong Kong, , Hong Kong
12:40–13:20	Title: “New Technologies for Non-destructive Testing of Power Equipment” Peng Lisha , Tsinghua University, China
13:20–14:00	LUNCH BREAK
14:00–14:40	Title: “Using Microbial Biotechnology For Bioenergy Production” Prof. Dr. Hosam Bayoumi Hamuda , Obuda University, Hungary
14:40–15:20	Title: TBU Haitao Huang , Hong Kong Polytechnic University, Hong Kong
SLOTS ARE AVAILABLE	

Day 2: August 30, 2024

KEYNOTE TALKS

09:00–09:30

Title: “Energy Resiliency, Efficiency, and Sustainability for Net Zero Future”

Deepak L Waikar, Chair, IEEE Education Society Chapter, Singapore

09:30–10:00

Title: “Multiple Layer Modeling for High-precision Safety State Estimation of Energy Storage Systems”

Shunli Wang, Smart Energy Storage Institute, China

10:00–10:30

Title: “Innovations in Sustainable Energy: Pioneering Methods for Extracting Geothermal Energy”

Mansoor Zoveidavianpoor, Universiti Teknologi Malaysia, Malaysia

KEYNOTE SLOTS ARE AVAILABLE

11:00–11:15

COFFEE BREAK

INVITED TALKS

Session 01

**RENEWABLE AND RECYCLABLE ENERGY
ENERGY CONVERSION AND STORAGE**

11:15–11:40

Title: “Experimental Technology Performance Analysis Adsorption Refrigeration, Heating, Seawater Desalination, Energy Storage Integrated Energy System”

Zisheng Lu, Shanghai Jiao Tong University, China

11:40–12:05

Title: “External Energy Consumption and Climate Change Can be Reduced”

Doepf Manfred, Justus Liebig University Giessen, Germany

12:05–12:30

Title: “A Lightweight Hydrogen Fuel Cell Power System For the Application of the Unmanned Aerial Vehicle”

Zhen Wu, Xi’an Jiaotong University, China

13:15–13:40	SLOTS ARE AVAILABLE
13:40–14:05	
Session 02	POWER GRIDS SIGNAL PROCESSING
14:05–14:30	Title: “Adaptive Lizard Algorithm: A New Optimization Algorithm” Saifullah Khalid , Civil Aviation Research Organization, India
14:30–14:55	Title: “Failure Detection in Electromechanical Systems: Unveiling Challenges, Trends, and Advanced Signal Processing Solutions” Yassine Amirat , Isen Yncrea Ouest, Brest, France
14:55–15:20	Title: “Multi-Timescale Modeling and Dynamic Stability Analysis for Sustainable Microgrids” Yang Han , Shanghai Jiaotong University, China
15:20–15:45	SLOTS ARE AVAILABLE
15:45–16:10	
16:10–16:25	LUNCH BREAK
Session 03	SUSTAINABLE FINANCE
16:25–16:50	Title: “Investigating the Strategic Role of International Institutions in the Implementation and Financing of Vital and Basic Sustainable Development Projects” Ali Mohammadipour , Iranian Association For Energy Economies, Iran
16:50–17:15	SLOTS ARE AVAILABLE
17:15–17:40	
17:40–18:05	
END OF DAY 2	

Day 3: August 31, 2024

KEYNOTE TALKS	
09:00–09:30	SLOTS ARE AVAILABLE
09:30–10:00	
10:00–10:30	
10:30–11:00	
11:00–11:15	COFFEE BREAK

INVITED TALKS	
Session 04	HEAT PUMPS MATERIALS FOR ELECTROTECHNICS
11:15–11:40	Title: “Resolution of the Coulomb Barrier for Nuclear Fusions Via The Synthesis of Negatively Charged Pseudonuclei According to Hadronic Mechanics” Ruggero Maria Santilli, Boston University, USA
11:40–12:05	Title: “Quantum–Classical Mechanics:Principles,Applications, and Prospects” Vladimir V Egorov, NRC “Kurchatov Institute”, Moscow, Russia
12:05–12:30	Title: “Heat Exchanger Technology and Applications: Groundsource Heat Pump System for Buildings Heating and Cooling” Abdeen Mustafa Omer, Energy Research Institute (ERI), Nottingham
12:30–13:15	LUNCH BREAK
13:15–13:40	SLOTS ARE AVAILABLE
13:40–14:05	

Session 05	MATERIALS FOR ELECTROTECHNICS
14:05–14:30	Title: “Updated Controlled Thermonuclear Reaction” Vladimir Pastushenko , Ivov National University , Ukraine
14:30–14:55	Title: “Multiple Output Sparse Gaussian Processes with Multiple Kernel Learning for Electric Load Forecasting” Alireza Ghasempour , University of Applied Science and Technology, Tehran, Iran
14:55–15:20	Title: “Reconstruction Of Multidimensional Data On Intelligent Technology And Artificial Intelligence” Dariusz Jacek Jakóbczak , Koszalin University of Technology, Poland
15:20–15:45	Title: “Failure Detection in Electromechanical Systems: Unveiling Challenges, Trends, and Advanced Signal Processing Solutions” Yassine Amirat , Isen Yncrea Ouest, Brest, France
15:45–16:10	SLOTS ARE AVAILABLE
16:10–16:25	COFFEE BREAK
16:25–16:50	SLOTS ARE AVAILABLE
16:50–17:15	
17:15–17:40	
17:40–18:05	
END OF CONFERENCE	

Note: This is Tentative Program and is subjected to further changes.