



# INTERNATIONAL CONFERENCE ON ENERGY RESILIENCE AND SUSTAINABILITY

**18 - 19 APRIL 2024**

**TEHRAN, IRAN  
SHARIF UNIVERSITY OF TECHNOLOGY**

# ABOUT CONFERENCE

Consequent to political events, climate change and emerging technologies the recent years have witnessed major developments and challenges in the field of energy. To deal satisfactorily with these challenges and move closer to the achievements of the universally accepted Sustainable Development Goals (SDGs) requires close collaboration of scientists, engineers and policy makers at national and international levels.

Towards this end and to pave the way to assist practitioners and potential investors overcome challenges and obstacles to constructive liaison cooperation and joint efforts Sharif University of Technology(SUT), in collaboration with the regional countries and support from the national and international institutions and corporations, intends to organize the first International Conference on Energy Resilience, and Sustainability (ICERS2024) on April 18-19, 2024 at Tehran.

**Organized by:**

Sharif University of Technology

**Conference Chair:**

Prof. Seyyed Abbas Mousavi (The Dean of Sharif University of Technology)

**Head of Scientific & Executive Committee:** Prof. Madjid Abbaspour (The faculty member of Sharif University of Technology and Board member of SEWEI (Sharif Energy, Water and Environment Institute))



**CONTRIBUTED BY**

**PANEL DISCUSSION**

**PAPER SUBMISSION**

**EXHIBITION**

**WORKSHOP**

# MAIN TOPICS

01



## ENERGY POLICY AND PLANNING

- Energy Policy and Decision Making
- Energy Policy and International Relations
- Energy Policy and Regional Cooperation
- Energy Policy and Geopolitics
- How Governments follow environmental policies
- Regulatory and Energy Policy
- Tax, Subsidies, and Energy Governance
- Future Studies and Energy Policy
- Scenario Planning as a tool for Energy Policy
- Policies on Renewable Energies

02



## ENERGY GOVERNANCE AND MANAGEMENT

- Energy and future of the global order
- Good Governance in energy issues
- Regional cooperation on energy issues
- International cooperation on energy issues
- Smart energy management system
- Energy governance toward sustainable development
- Sustainable management in the field of energy
- International cooperation to face climate change
- Smart city management

03



## ENERGY SECURITY

- Diversification and its role on Energy Security
- The impacts of Russia-Ukraine War on World Energy Security
- Cartels and the Energy Markets
- Political Risks in Energy Production
- The Impacts of Natural Disasters on Energy Security
- Pipelines and Energy Security
- Climate Change, Global Warming, and their role on Energy Security
- The Security of SWAPs of Crude Oil, Natural Gas, and Electricity
- The Future Of OPEC & OPEC Plus
- Vulnerability of Energy Infrastructure

04



## ENERGY FINANCING AND INVESTMENT

- Clean energy finance and investment
- Renewable energy finance
- Sustainable solutions for green financing
- Guide to energy financing
- Tax credit and other mechanism in energy finance
- Risk assessment in energy financing and investment
- Financial instruments for energy financing
- Sustainable solutions for green financing
- Innovative ideas in energy investment
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# INTERNATIONAL CONFERENCE on Energy, Resilience and Sustainability

05



## ENERGY AND ENVIRONMENT

- Climate Change, Energy Saving, Green House, Emission, NEXUS...

06



## EMERGING TECHNOLOGY AND INDUSTRIES

- Renewable Energy, Biomass, Biogas, Hydrogen, MHD, IOT, AI, Machine Learning...

07



## ENERGY RESOURCES

- Oil, Gas, Ocean Energy, Nuclear Energy...

# SUBMISSION

The International Conference on Energy Resilience, and Sustainability (ICERS2024) is organized by Sharif University of Technology and collaboration of related scientific societies and institutions, industries .... This conference will be held to bring the relevant communities together, to exchange ideas and to create fruitful connections between active researchers and industrial professionals in these fields. The original research papers reported on the leading edge of science and technology will be peer-reviewed and presented in this conference, in order to consolidate the state of the art advancement in key areas of energy, Resilience, and sustainability. High quality accepted papers will be selected and sent to the following journals for possible publications:

**International Journal of Environmental Science and Technology (Publisher :Springer)**  
**International Journal of Energy and Water Resources (Publisher :Springer)**  
**Scientia Iranica (Publisher : Sharif University of Technology)**

**Visit our website ([www.icers2024.event.sharif.edu](http://www.icers2024.event.sharif.edu)) to learn more about the submission.**

**Full-Paper Submission Deadline**

**29 February**

**Notification of Full-paper Acceptance**

**15 March**





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and Sustainability



## VENUE

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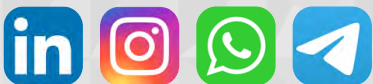
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