



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. Dealing satisfactorily with these challenges and moving closer to the achievements of the universally accepted Sustainable Development Goals (SDGs) requires close collaboration among scientists, engineers, and policymakers at national and international levels. To assist practitioners and potential investors in overcoming challenges and obstacles and to facilitate constructive liaison cooperation and joint efforts, Sharif University of Technology (SUT), in collaboration with regional countries and with support from national and international institutions and corporations, intends to organize the first International Conference on Energy Resilience and Sustainability (ICERS2024) on April 18-19, 2024, in 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

INTERNATIONAL CONFERENCE

on Energy, Resilience and Sustainability

05



ENERGY AND ENVIRONMENT

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

06



EMERGING TECHNOLOGIES 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 in collaboration with related scientific societies, institutions, and industries. The conference aims to bring together relevant communities to exchange ideas and create connections between active researchers and industrial professionals in the fields of energy, resilience, and sustainability. Original research papers at the forefront of science and technology will be peer-reviewed and presented at the conference to consolidate the state-of-the-art advancements in these key areas. High-quality accepted papers will be selected for publication in one of the following journals:

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) to learn more about the submission.

Full-Paper Submission Deadline

15 March

Notification of Full-paper Acceptance

25 March





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VENUE

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