

21 Apr 2024 / Day IV , Prof. Rabiee Auditorium, Sharif University of Technology

7:30 Registration 8:30

Oral Presentations

Poster Presentations

- 8:30 - 8:50

Title: Energy Policy in Iran: The proper path to the clean energies

Presenter: Prof. Abbas Maleki
- 8:50 - 9:10

Title: Russia's Cyber Security Policy for Atomic Energy Sector

Presenter: Prof. Radomir Bolgov
- 9:10 - 9:30

Title: Energy Conservation and Sustainability Methodology to predict the alternative future Iranian Energy

Presenter: Prof. Hassan Badkoobehi
- 9:30 - 9:50

Title: Greenhouse gas inventories on disturbed peatlands as part of the Carbon Supersite Programme in the Russian sector of the Baltic Region

Presenter: Prof. Maxim Napreenko
Dr. Leyla Bashirova
- 9:50 - 10:10

Title: The Main Research Directions of the Consortium "Global Earth Changes: Climate, Ecology, and Quality of Life"

Presenter: Prof. Victor Dyomin

- 8:30 - 8:50

Title: Specialists Training 4.0 for Sustainable Development Goals

Presenter: Prof. Svetlana Kuzmina
- 8:50 - 9:10

Title: Developing a PESTLE based model for the Factors that Drive Implementation of Synergistic Energy Solutions in the Middle East

Presenter: Maryam A. Borojerdi
- 9:10 - 9:30

Title: Leveraging Natural Gas for Enhanced Energy Security: A Comprehensive Analysis of Iran's Role in the Global Energy Landscape

Presenter: Parinaz Soleimani
- 9:30 - 9:50

Title: Integrated Resource Management in the Wake of Climate Change: A Nexus Approach for Water, Food, and Energy Security

Presenter: Hamidreza Esmaeilnejad
- 9:50 - 10:10

Title: Integrated Resource Management Under Climate Change: A Strategy Framework for an Arid Central Iranian Watershed

Presenter: AmirArdalan Amiri

10:10 Break 10:30



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Oral Presentations

-  10:30 - 10:50
Title: Presentation of Iran's Proposed MRV Model Based on National Conditions and a Comparative Study of the World's MRV Systems
Presenter: Dr. Dordaneh Aghajani
-  10:50 - 11:10
Title: Sequestered Carbon in the Above-Ground Phytomass of Forests Affected by Fires of Different Intensity
Presenter: Prof. Matveev Sergei
-  11:10 - 11:30
Title: Techno-Economic Feasibility of Underground Hydrogen Storage in Iran: A Path to Sustainable Energy Integration
Presenter: Dr. Hassan Mahani
-  11:30 - 11:50
Title: Techno-Economical Evaluation of Hydrogen-fueled Gas Turbines for Electricity Generation in Iran
Presenter: Dr Hossein Khajepour
-  11:50 - 12:10
Title: Efficiency of geothermal energy as a renewable energy source: Energy performance of energy pile and energy diaphragm wall
Presenter: Prof. Mohammad Mahdi Ahmadi
-  12:10 - 12:30
Title: Introducing a Novel Method to Produce Energy from Marine Turbines Installed on the Persian Gulf Bridge
Presenter: Dr. Reyhaneh Loni

Poster Presentations

-  10:30 - 10:50
Title: Corporate Social Responsibility in the Energy Management and Sustainability
Presenter: Dr. Sadaf Estanesti
-  10:50 - 11:10
Title: Strategic Decision-Making for Petrochemical Plants: Evaluating and Selecting Optimal Hybrid Renewable Energy Systems Through Sustainability and Resiliency Criteria
Presenter: Samaneh Habibzadeh
-  11:10 - 11:30
Title: Digital Transformation of Oil and Gas Companies: Energy Transition and Hydrocarbon Reduction
Presenter: Ali Dehghanchaharabi
-  11:30 - 11:50
Title: The Role of Energy Governance in the National Security of Oil Producing Countries
Presenter: Dr. Reyhaneh Loni
-  11:50 - 12:10
Title: Developing Energy Hub as a Key to Improve Energy Governance
Presenter: Dr. Reyhaneh Loni
-  12:10 - 12:30
Title: Investigating and Comparing the Methods of Providing Capital in the Electricity Industry (Comparing the Two Methods of Mutual Sale and Guaranteed Purchase)
Presenter: Mousa Mehdikarami

 12:30

Lunch

14:00



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Oral Presentations

- **14:00 - 14:20**
Title: Fault Diagnosis of Power Grid Equipment based on Artificial Intelligence with Limited Data
Presenter: Prof. Svetlana Petrova
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- **14:20 - 14:40**
Title: Autonomous Hybrid Power Plants Based on Renewable Energy Sources for Off-Grid Rural Electrification
Presenter: Prof. Georgii A. Konoplev
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- **14:40 - 15:00**
Title: A Review of Vehicle-to-Grid (V2G) Technology as a Solution to Increasing Renewable Integration and Electrification
Presenter: Prof. Mohamad Taghi Ahmadian
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- **15:00 - 15:20**
Title: Autonomous Solar Measurement System for Sustainable Solar Energy
Presenter: Prof. Fedor A. Gubarev
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- **15:20 - 15:40**
Title: An Efficient Solar Desalination System for Oil Fields, Increasing the Water Output by Modifying the Condensing Glass Surface
Presenter: Prof. Shahab Ayatollahi
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- **15:40 - 16:00**
Title: Simultaneous supply of energy and water by rainwater harvest from the roof of the greenhouse structure with a solar panel
Presenter: Eng. Majid Zarezadeh

Poster Presentations

- **14:00 - 14:20**
Title: Economic Study of the Idea of Selling the Capacity Certificate in Financing the Energy Sector
Presenter: Mousa Mehdikarami
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- **14:20 - 14:40**
Title: Determination of Thermal Properties of Soil in Solar Greenhouses
Presenter: Prof. Afdandil Vardiyashvili
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- **14:40 - 15:00**
Title: The Global Outlook of the Renewable Energy Resources from Oceans
Presenter: Dr. Shahnaz Bahmanyar
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- **15:00 - 15:20**
Title: Design Parameters Optimization of Micro-hydro Archimedean Screw for Sustainable Energy Generation
Presenter: Dr. Kazem Shahverdi
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- **15:20 - 15:40**
Title: Computational comparison among different biomass feedstocks
Presenter: Vanoosheh Ghazanfari Savadkoohi
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- **15:40 - 16:00**
Title: Optimizing Energy Efficiency in Building Sector through the Use of Solar Energy: Case Study of Daylight Control Systems
Presenter: Ali Kangazian

 16:00

Break

16:20



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Oral Presentations

- **16:20 - 16:40**
Title: economic and environmental improvement of the simultaneous production of electricity and heat from photovoltaic panels in residential houses and small industries based on the goals of energy subsidies in Iran
Presenter: Dr. Ebrahim Gogonani
- **16:40 - 17:00**
Title: A Framework for Optimizing the Environmental, Technical, and Economic Performances of Natural Gas Liquids (NGL) Recovery Process
Presenter: Dr. Abolghasem Kazemi
- **17:00 - 17:20**
Title: Performance Evaluation of Hydrogen-Natural Gas Blends in Gas Turbines: a Case Study of the MAPNA MGT-75 Gas Turbine
Presenter: Dr. Ramin Haghighi Khoshkhoo
- **17:20 - 17:40**
Title: Energy Supply of Natural Gas Liquefaction Process Using Renewable Energy Sources: Technical, Economic and Environmental Study
Presenter: Dr. Mehdi Sharifzade

Poster Presentations

- **16:20 - 16:40**
Title: The Feasibility of Installing FPV on the Reservoirs of Dams in Hormozgan Province to Produce Energy and Reduce the Amount of Water Evaporation
Presenter: Majid Zarezadeh
- **16:40 - 17:00**
Title: Optimal Design of Renewable Energy Hybrid Systems Using MATLAB: A Comparative Analysis with PV Syst Software and Sensitivity Analysis
Presenter: Hassan Bazoubandi
- **17:00 - 17:20**
Title: Study of Diesel Operation on Diesel and Bioethanol-Containing Fuel
Presenter: Sobir Utaev

End

