



37TH INTERNATIONAL SCIENTIFIC & EXPERT MEETING OF GAS PROFESSIONALS OPATIJA, CROATIA, 11 - 13 MAY 2022



CALL FOR PAPERS

Croatian Gas Center Ltd. and Croatian Gas Association, member of the International Gas Union (IGU), are inviting you to present scientific and professional paper or technical-commercial paper and thereby contribute to the success of the **37th INTERNATIONAL SCIENTIFIC & EXPERT MEETING OF GAS PROFESSIONALS**, which will be held traditionally **from 11th to 13th of May, 2022** in the Congress Centre of the Grand Hotel Adriatic, **in Opatija, Croatia.**

*One of the largest international natural gas and LNG conferences and exhibitions
in Central and Southeast Europe*

CONFERENCE TOPICS:

1. INTRODUCTORY PRESENTATIONS AND PANEL DISCUSSION:

„Current Situation and Trends on the Natural Gas Market, Gas Price and Future Expectations“

- Gas and LNG Trading, Pricing and Contracts
- Impact of Energy and Climate Plans on the Natural Gas Pricing and Gas Consumption - What will Determine Gas Prices in the Future?
- Impact of the Gas Market Liberalization and Price Deregulation– Consolidation of Gas Distributors: Challenges and Strategies
- Future Gas Demand in the European Energy Mix
- Future Gas Exploration and Production to Satisfy Demand
- Measures for Increasing Energy Efficiency in the Gas Sector – How Can the Dual Challenge of Increased Energy Demand and Lower Emissions Be Met?

2. INVITED PRESENTATIONS AND PANEL DISCUSSION:

„Natural Gas as a Second, Reliable and Clean Pillar of the Energy Transition, alongside Renewables“

- Outlook for the Role of Natural Gas in a Zero-Carbon Society
- Flexible Power Plants Operating on Natural Gas as a Support to the Integration of Renewables - Gas is a catalyst and foundation for enhanced renewable energy capacity
- Important Role of Green Gases (Hydrogen, Biogas and Syngas) in the Energy Transition



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- Who Will Be the Winner of the Decarbonisation Race: Carbon Capture & Storage (CCS), Hydrogen or Batteries?
- Views of Equipment Manufacturers on the Role of Gas in the Energy Transition

3. INTRODUCTORY PRESENTATIONS AND PANEL DISCUSSION:

„Extensive Gas Infrastructure with the Right Policy Framework and Innovation Will Play a Key Role in Establishing Fully Decarbonised and Reliable Energy System“

- New Strategic Gas Infrastructure Projects in Europe and New Supply Routes (Pipelines, Interconnectors, Compressor stations, New Gas Storage Facilities, Integrated Energy Storage Systems)
- Energy Sector Integration
- Sector Coupling by Integrating Different Gases that can Balance the Whole Energy System
- Integration of Renewable and Low-Carbon Gases – Strategies and Challenges
- Integration of Hydrogen - Strategies and Challenges in Production, Transportation and Utilization

4. Decarbonising of the Future Gas and LNG Value Chain – Challenges, Costs and Opportunities:

- Carbon Footprint Management
- Energy Efficiency and Sustainability
- Methane Emissions Reduction and Management
- Sustainable Energy Developments
- Advances in the CCUS/CCS Technology Application
- Applying Circular Economy Concept to Improve Environmental Performance for a Sustainable Future

5. Gas 4.0: Challenges and Opportunities of Smart Technologies, Innovations and Digital Transformation in the Gas Sector in a Decarbonising Era

- Digitalisation and Business Process Automation
- Business Analytics, Integration and Visualisation Technologies
- Data Acquisition, Control and Monitoring Systems
- Cloud Computing, Augmented and Virtual Reality, Drones
- Cyber Physical Systems, Internet of Things, Network
- Smart Gas Meters, Smart Grids and Smart Cities
- Cyber Security in the Gas Exploration and Production Sector
- Artificial Intelligence (AI), Robotics and Hybrid Intelligent Systems – Smart Equipment and Monitoring
- Blockchain Technologies

6. Development Potentials of LNG Terminals and Their Role in the Future European Gas Infrastructure



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- LNG Terminal on the Island of Krk
- Small-scale LNG: Applications, Infrastructure, Technology and Market Developments in Europe
- LNG as Bunkering Fuel for Maritime Transport
- LNG for Gasifying Isolated Consumers
- The Future Role of LNG Terminals: Decarbonising and Integrating Renewable and Low-Carbon Molecules in the Energy System
- The Potential of BioLNG for Fast and Cost-Effective Decarbonisation of Heavy Road and Maritime Transport by Using the Existing LNG Infrastructure
- Power Generation – LNG to Power, CoGen Technologies & CHP

7. Development of Sustainable Transportation Powered by Gas

- LNG as an Economical and Environmental Alternative to Diesel in Heavy Transport
- Use of LNG in Transportation to Achieve Sustainability in Shipping toward 2050 Decarbonization Targets
- Projects with CNG, LNG and LPG Powered Transport
- Development of Gas Filling Infrastructure (CNG, L-CNG, LNG)
- Development of the Use of Biomethane in the Transport Sector

8. Issues Related to Transport, Distribution, Storage and Consumption of Gas in Terms of Ensuring the Efficient, Safe and Low-Carbon Gas System

- Efficiency and Security of the Constructed Gas Distribution System
- Optimisation of Gas Transport and Distribution Systems
- Maintenance of Gas Pipelines and Gas Pipelines Integrity Management
- Practices and Methods for Ecologically Responsible Construction of Gas Pipelines and Reduction of Methane Emissions
- Innovative Technologies in Storing Gas and their Application
- Gas Measurement Innovations for Volumes, Energy Content and Constituents
- Gas Quality Management (Tracking and Modeling)
- Blending Hydrogen into the Existing Gas Grid as a Quick Win for Abating Emissions
- Gas Quality and the Switch from Natural Gas to Hydrogen

9. Legislation, Technical Regulations, Rules of the Profession and Consumer Rights in the Gas Sector

- The Impact of the EU Regulatory Framework for the Acceleration of Decarbonisation – „Fit for 55 Package“ on the Gas Sector
- Impact of Tax Policies on Development of the Gas Industry
- The Latest Developments in the Technical Regulations and Rules of the Gas Profession



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- Legal Issues related to Privacy, Consumer Protection and Cyber Security in the Use of Innovative, Smart and Digital Technologies in the Gas Sector
- Key Legal, Regulatory and Policy Developments that are Shaping Tomorrow's Hydrogen Market

10. Poster Session: „Issues Related to the Gas and Energy Industry“

OPPORTUNITIES AND CONDITIONS FOR PARTICIPATION:

- As an author of the Scientific and Professional Paper (oral presentation)
- As an author of the Scientific and Professional Paper (poster session)
- As an Author of the Round table (technical-commercial presentation)

All authors and co-authors are obliged to pay the registration fee in the amount of 465 €.

If the Paper is focused on commercial or promotional issues it will be directed to Round table presentation (technical-commercial presentation) which is charged by a special price.

Involvement of specific topic in the final program, as well as the sequence of the topics, will depend on the quality and number of accepted papers.

Selection of Papers will be based on a review of summaries by a special Croatian Gas Association Working group.

PAPER REGISTRATION:



Paper registration is possible by submitting abstract and keywords to e-mail address: opatija@hsup.hr no later than 20th of December 2021.

DEADLINES:

Title and Abstract Submission:	20th of December 2021
Notification to authors about acceptance of the Paper :	31st of January 2022
Final Paper submission:	28th of February 2022
Paper Presentation Submission:	20th of March 2022



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