



## 36<sup>TH</sup> INTERNATIONAL SCIENTIFIC & EXPERT MEETING OF GAS PROFESSIONALS OPATIJA, CROATIA, 5 - 7 MAY 2021



CROATIAN  
GAS  
CENTER Ltd.



CROATIAN  
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# 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 **36<sup>th</sup> INTERNATIONAL SCIENTIFIC & EXPERT MEETING OF GAS PROFESSIONALS**, which will be held traditionally from **5<sup>th</sup> to 7<sup>th</sup> of May, 2021** in the Congress Centre of the Grand Hotel Adriatic, in **Opatija, Croatia**.

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

### CONFERENCE TOPICS:

#### 1. INVITED PRESENTATIONS:

##### „NATURAL GAS – ITS ROLE IN THE ENERGY MIX AND CONTRIBUTION TO THE ENERGY TRANSITION“

- Impact of the EU methane strategy on the natural gas sector (complexity of monitoring methane emissions and emission reduction measures in the natural gas sector)
- Future role of renewable gases (biomethane, hydrogen, synthetic gas)
- Hydrogen production, storage and transportation
- Green energy storage, Power-to-Gas technology and integration of renewable energy into the existing European gas infrastructure (Sector Coupling)

#### 2. INTRODUCTORY PRESENTATIONS AND PANEL DISCUSSION:

##### „NATURAL GAS EXPLORATION AND PRODUCTION PROJECTS“

- Regulatory framework for natural gas exploration and production
- New natural gas exploration and production projects
- Incentives for investing into gas exploration and production

#### 3. „DEVELOPMENT OF STRATEGIC GAS INFRASTRUCTURE IN EUROPE FOR SECURE GAS SUPPLY“

- Trans-Adriatic pipeline and Ionian-Adriatic pipeline
- Evacuation gas pipelines and expansion of the transport network
- Interconnections and compressor stations for the equalization of gas pressure towards neighboring countries
- New gas storage facilities
- integrated energy storage systems: from designing to commissioning



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### 4. „SMART TECHNOLOGIES, INNOVATIONS AND TRANSFER OF TECHNOLOGIES“

- Smart gas meters, smart grids and smart cities
- Internet of Things (IoT) and Internet of Everything (IoE)
- Artificial Intelligence (AI), Drones, Virtual and Extended Reality
- Blockchain Technologies
- Cyber Security

### 5. „DEVELOPMENT POTENTIALS OF LNG TERMINALS AND THEIR ROLE IN THE FUTURE EUROPEAN GAS INFRASTRUCTURE“

- Technologies and key trends
- LNG Terminal on the island of Krk
- Small-scale LNG and bunkering for maritime transport
- Heavy road transport
- 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

### 6. INTRODUCTORY PRESENTATIONS AND PANEL DISCUSSION: „CURRENT SITUATION AND TRENDS ON THE NATURAL GAS MARKET AND FUTURE EXPECTATIONS“

- Impact of energy and climate plans on the use of natural gas
- Impact of the COVID-19 pandemic on natural gas supply and demand
- Trends in LNG trading
- Impact of the gas market liberalization and price deregulation in the household sector – challenges and strategies
- The issues of different gas quality standards and compliance with European regulations and guidelines
- Impact of measures for increasing energy efficiency on the gas industry
- Impact of environmental protection policies on determining natural gas prices
- Balancing issues in the gas transmission system

### 7. INTRODUCTORY PRESENTATIONS AND PANEL DISCUSSION: „DEVELOPMENT OF SUSTAINABLE TRANSPORT POWERED BY COMPRESSED NATURAL GAS, LIQUIFIED NATURAL GAS AND LIQUIFIED PETROLEUM GAS“

- Projects with CNG, LNG and LPG powered transport
- LNG as an economical and environmental alternative to diesel in heavy transport
- Optimizing business operations and compliance with the emission limitations of IMO 2020 in maritime transport by using LNG as fuel



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- Development of gas filling infrastructure (CNG, L-CNG, LNG)

### 8. „THE CONTRIBUTION OF BIOGAS FOR THE DECARBONISATION OF THE ECONOMY“

- Biogas and circular economy
- Current status and potential development of the use of biogas in the energy sector
- Current status and potential development of the use of biogas in the agricultural sector
- Current status and potential development of the use of biomethane in the transport sector

### 9. „ISSUES RELATED TO THE TRANSPORT, DISTRIBUTION, STORAGE AND CONSUMPTION OF NATURAL GAS IN TERMS OF EFFICIENCY AND SAFETY OF THE 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)
- Analysis of operating conditions, diagnostics and optimization including information and communication technologies (ICT) and sensor systems

### 10. „LEGISLATION, TECHNICAL REGULATIONS, RULES OF THE PROFESSION AND CONSUMER RIGHTS IN THE GAS SECTOR“

- The critical role of legislation in supporting the growth of the natural gas markets
- Impact of tax policies on development of the gas industry
- The latest developments in the technical regulations and rules of the gas profession
- Issues related to privacy and consumer protection in the use of new services and new technologies in the gas sector

### 11. POSTER SESSION: ISSUES RELATED TO THE GAS AND ENERGY INDUSTRY



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### 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 have to pay registration fee in the amount of 420 €.** Organization of poster session is possible. 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 adress:  
[opatija@hsup.hr](mailto:opatija@hsup.hr) no later than 20th of January 2021.

### DEADLINES:

|  |                                   |
|--|-----------------------------------|
| Title and Abstract Submission:                           | 20 <sup>th</sup> of January 2021  |
| Notification to authors about acceptance of the Paper: : | 30 <sup>th</sup> of January 2021  |
| Final Paper submission:                                  | 28 <sup>th</sup> of February 2021 |
| Paper Presentation Submission:                           | 20 <sup>th</sup> of March 2021    |



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