



From the Chair's Desk

Taking on the role of NOC Chair for the International Gas Research Conference 2027 comes with a strong sense of responsibility and a personal commitment to help shape a forward-looking dialogue for our industry.

In my day-to-day role leading the green gases business area at my company, I experience firsthand the challenges we face — from market design and regulation to scaling technologies and developing viable business models. I am also closely connected to innovation in this field as the initiator of the Aquamarine project, which began as a hydrogen-focused R&D initiative and continues to evolve.

These experiences strengthen my belief that collaboration and knowledge sharing are essential drivers of progress.

This newsletter is dedicated to the Call for Abstracts for IGRC2027. I warmly encourage you to share your insights and ideas — I am truly looking forward to your submissions. IGRC2027 provides a global platform to shape the future of gas and energy, and I am confident that your contributions can make a meaningful impact.



Annamaria Feher

Chair of NOC IGRC2027

Dear Community Member,

The global gas sector is at a turning point, and the **New Age Gas** is here. From real-world hydrogen blending projects and carbon capture deployment to the growing role of gas in powering AI-driven data centres, the industry is moving from concept to implementation.

In this dynamic context, we invite contributions from leading researchers, academic professionals, and industry experts who are shaping the future of the global gas sector.



Six Thematic Areas

We have organised our Call for Abstracts around six major thematic areas that we focus on.



New Age of Natural Gas

Focus on innovations that enhance safety, efficiency, energy security, affordability, and system resilience across the entire natural gas value chain. Contributions are expected to present real-world applications that improve the sustainability and reliability of production, transport, distribution, storage, and end-use.



Emissions Management, Carbon Capture and Gas Certification

Covers cost-effective solutions for reducing, monitoring, and certifying emissions from production to end use. Topics include advanced emissions monitoring, carbon capture technologies, integration of CCUS, and certification frameworks for natural gas and emerging gaseous fuels.



Renewable Gases

Addresses the production and system integration of biogas, biomethane, and synthetic natural gas. Submissions may explore technological advances, impacts on infrastructure, compatibility with existing systems, and market or operational models enabling broader renewable gas deployment.



Lower Carbon Hydrogen

Focuses on the production, transport, storage, and utilization of low-carbon hydrogen, including hydrogen with or without CCUS. Emphasis is on technological pathways, infrastructure readiness, integration challenges, and operational solutions for hydrogen in existing or evolving gas systems.



AI and Digital Transformation

Explores how AI-driven and digital technologies are reshaping the gas sector — from design and planning to operations, inspection, and maintenance. Contributions should demonstrate how digitalization enhances safety, reliability, sustainability, and performance across traditional and emerging energy systems.



Social, Commercial, Regulatory, Policy, Financial and Innovation Perspectives

Examines the non-technical forces shaping the future of the gas sector, focusing on how social dynamics, market structures, regulatory frameworks, policy directions, financial models, and innovation ecosystems influence the entire gas value chain.

Why Submit?

All abstracts will be evaluated through a **peer-review process** conducted by members of the IGRC2027 Technical Programme Committee and expert reviewers in the field. Evaluation is based on relevance, originality, technical quality and alignment with the conference themes.

Accepted contributions will be featured as part of a highly curated programme, offering **visibility among key stakeholders** and positioning authors at the forefront of a rapidly evolving field.

Given the limited number of presentation slots and the growing interest in this topic, early submission is strongly encouraged.

[Submit Your Abstract](#)

Your voice matters! Take just 1 minute to complete our survey.

[Questionnaire](#)

We look forward to welcoming you to IGRC2027—where research meets real-world impact.

Kind Regards



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