



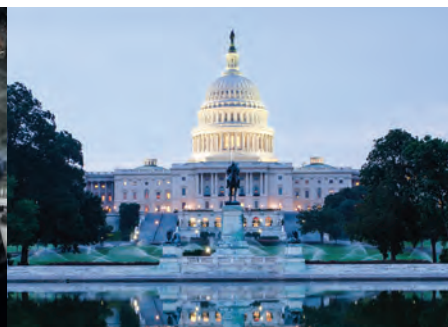
27th WORLD GAS
CONFERENCE
WASHINGTON DC

JUNE 25-29
2018



27th WORLD GAS CONFERENCE CALL FOR ABSTRACTS

SUBMISSION DEADLINE: SEPTEMBER 1, 2017



JUNE 25-29, 2018 | WASHINGTON DC, USA

HOST ASSOCIATION



PROUDLY SUPPORTED BY



HOST PARTNERS



FUELING THE FUTURE

SHAPING THE FUTURE OF THE GLOBAL GAS INDUSTRY

Conducted since 1931, the World Gas Conference is the largest, most high-profile and significant global gas conference and exhibition. The event is owned by the International Gas Union (IGU), an international non-profit organization, which represents 97% of the global gas market.

WGC 2018 will be the definitive gathering of influential leaders, buyers and sellers, policy-makers and experts from around the world. You will hear business critical insights and lively debates on the most topical issues facing the global gas industry today and in the future.



KEY INFORMATION

Call for Abstracts Submission Deadline
September 1, 2017

Author Notification
November 27, 2017

Full Final Paper Submission
March 9, 2018

Early Bird Registration Opens
May 24, 2017

Early Bird Registration Closes
January 31, 2018

CONTACT

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THE LARGEST GLOBAL GAS EVENT



500
SPEAKERS



12,000
ATTENDEES



600
ORGANIZATIONS



100
COUNTRIES



70
SESSIONS



UNRIVALED
NETWORKING



ENTIRE GAS
VALUE CHAIN



CASE STUDIES, TOOLS,
MODELS & STRATEGIES



40,000m²
EXHIBITION



350
EXHIBITORS

IGU

The International Gas Union (IGU) was founded in 1931 and has the mission of promoting the technical, economic and political interests of the natural gas industry. The IGU's long and distinguished activities are especially critical now during a time of great uncertainty, shift and debate about future global energy systems. With these challenges come great opportunities and natural gas is well-positioned to play a major role in an emerging energy portfolio.

Natural gas holds great promise to make a sustainable and significant contribution to global energy systems. The ongoing industry innovations, including the development of new technologies, will have an even greater impact on the availability, efficiency, utilization, environmental and economic benefits of gas.

Working together, we can share knowledge and promote the benefits of natural gas as a global energy solution. We look forward to working with all IGU members, speakers and participants and welcoming you to WGC 2018.



David Carroll
President
IGU



Luis Bertrán Rafecas
Secretary General
IGU

AGA

The American Gas Association (AGA) was selected to host the Presidency of the IGU during 2015-2018, culminating in the organization of the 27th World Gas Conference, and marking the 100th anniversary of the founding of AGA.

Founded in 1918, the AGA represents more than 200 local energy companies that deliver clean natural gas throughout the United States. There are more than 73 million natural gas customers in the U.S., of which 95 percent receive their gas from AGA members. Today, natural gas meets more than a quarter of U.S. energy needs.

WGC 2018 will mark the first time ever that the event will be held in a country that is both the largest producer and consumer of natural gas.

The Call for Abstracts presents an opportunity for industry leaders to be part of the official program and showcase their expertise to the global gas industry. We look forward to welcoming you to WGC 2018!



Dave McCurdy
President & CEO
AGA



FUELING THE FUTURE

The IGU Triennial Work Program (TWP) has defined the work and activities that the IGU Committees and Task Forces are carrying out under the three-year term of the IGU USA Presidency. The aim is to support the mission of the organization, while at the same time contribute to the IGU's efforts towards becoming the global voice of gas.

The IGU USA Presidency established the theme for the triennium as **Fueling the Future.** The theme communicates in a simple and impactful manner the important future role and promise of natural gas. Clean, abundant natural gas has the potential to affect every aspect of life throughout the world, from the traditional role of heating and cooking, to power generation, manufacturing products, and the transportation of people and products. Fueling the future with natural gas means a world with reduced carbon emissions and vastly improved urban air quality.

The IGU has established 11 Committees and 2 Task Forces to address a wide range of topics confronting the gas industry, under the guidance of the IGU Coordination Committee, which is responsible for overseeing all areas of the WGC program. The Committees and Task Forces have undertaken a broad array of studies, best practices and presentations specific to their areas of focus. Their efforts will shape the program that will be presented at the 27th World Gas Conference.

The following three areas of strategic focus have been established in order to guide the work and the efforts of the Committees and Task Forces:

ACCESS

Focus on aiding the industry's ability to access natural gas resources and promote timely build-out of the infrastructure required to produce, transport, store and deliver natural gas to existing and emerging markets.

MARKETS

Expanding global markets for natural gas is good for consumers and good for the industry. We are advocating for new market opportunities for natural gas and to reduce barriers to its commercial trade.

SOCIAL LICENSE

Our industry has a long history of safe and responsible gas production, transport and delivery. We remain diligent in our efforts to continuously improve the way we do business.

The Coordination Committee invites authors to submit abstracts to be considered for inclusion in the 27th World Gas Conference program. Your active involvement in this Call for Abstracts provides an excellent opportunity to make a significant contribution to your ongoing personal development and that of the gas industry.



Mel Ydreos
Chairman, **IGU Coordination Committee**
Executive Director Public Affairs
IGU



Rod Rinholm
Acting Chairman
IGU Coordination Committee

SESSION TYPES

Close to **1000** industry specialists and experts from around the world work during the three-year period to produce a program that features **500** speakers delivering the most up-to-date and business critical issues in the gas industry.

KEYNOTE SESSIONS & LUNCHEON ADDRESSES



Keynote and Luncheon speakers will feature the most senior level executives from both industry and non-industry, addressing the most timely and topical issues facing the global gas industry in 2018 and the future. For more information on the latest confirmed speakers please visit wgc2018.com.

CONFIRMED KEYNOTE SESSIONS:

- Fueling the Future
- The Biggest Challenges and Opportunities Facing the Global Gas Industry
- What Next for the Asia Pacific Gas Market?
- The Future of Europe’s Energy Market
- Access to Sustainable Energy in Developing Economies
- The Role for Gas in an Integrated Americas
- Innovation to Drive the Energy Industry Forward

DELIVERED BY THE
MOST INFLUENTIAL
GLOBAL ENERGY LEADERS

CURRENT DEBATES

These sessions will feature discussions and debates on issues of the highest strategic and commercial level. Panelists will include senior executives, policy-makers, professionals from the gas industry, governments, customers, the financial community and organizations outside the industry.

INDUSTRY INSIGHTS

Industry Insights focus on the most relevant commercial issues and the latest technical innovations that represent each segment and aspect of the natural gas value chain.

Speakers will be selected from the Call for Abstracts.

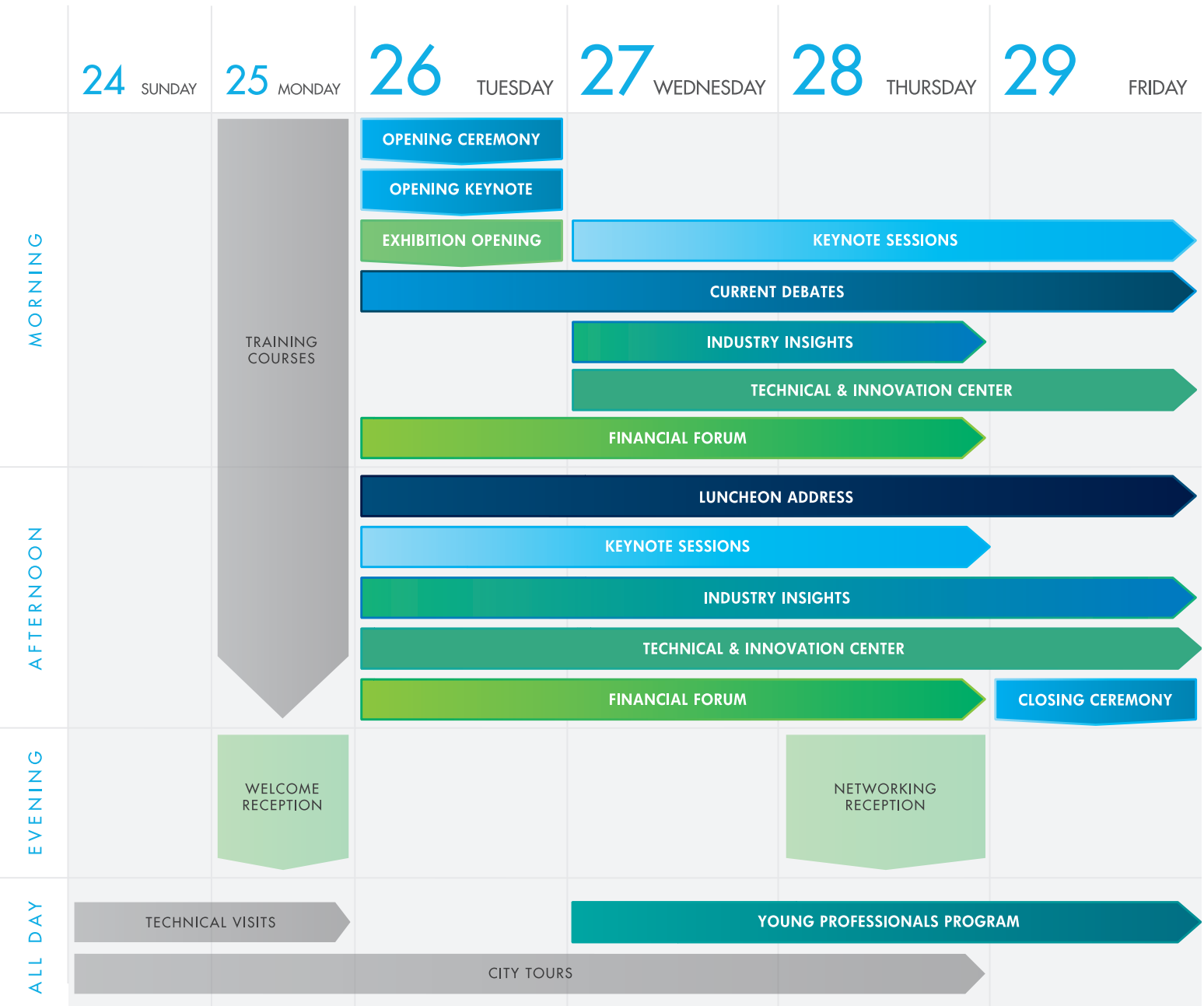
TECHNICAL & INNOVATION CENTER

Located on the exhibition floor, the Center will feature audience-friendly panels and interactive discussions on the latest developments and innovations in gas industry technology. It will also provide live demonstrations of technology, products and digital poster displays.

Speakers will be selected from the Call for Abstracts.

PROGRAM OVERVIEW

JUNE 2018



Submission period	April 5, 2017 - September 1, 2017	
Submission method	Abstracts should only be submitted via the website: wgc2018.com . Please refer to the website for full instructions on how to submit your abstract.	
Official Language	English	
Maximum submissions per author	<ul style="list-style-type: none">• There is no limit to the number of abstracts you can submit• An abstract can only be submitted to one session topic	
Abstract format	Abstracts may be submitted in text or as a video.	
	Text Submissions <ul style="list-style-type: none">• Number of words: 1,000 (approximately)• Authors and their affiliations must be included• Must be submitted in an A4 Microsoft Word document• Font: Arial• All images and graphs must be included in the Word document• Word document should not exceed 10MB	Video Submissions <ul style="list-style-type: none">• Duration: 2 minutes maximum• Authors and their affiliations must be included• File formats accepted: AVI, WMV, MPG, MP4• Video file should not exceed 100 MB
Abstract layout	All abstracts must clearly include the following elements within their structure in this order: <ul style="list-style-type: none">• Summary/Conclusions• Background• Aims and Objectives• Methods• Results	
Abbreviations / Acronyms:	Should be spelt out in full when first mentioned, followed by the abbreviation or acronym in brackets. E.g. International Gas Union (IGU)	
Restrictions	<ul style="list-style-type: none">• Avoid mentioning brand names	

To submit your abstract and view detailed guidelines visit wgc2018.com.

SELECTION OF ABSTRACTS

Authors of accepted abstracts will be given the opportunity to present their papers at WGC 2018 in an Industry Insight session or as part of the Technical & Innovation Center. The full overview of topics is detailed on pages 12-15 of this brochure. For an explanation of the session types please refer to page 6.

Criteria for selection shall be based upon:

- Conformity to the respective topic
- Relevance and degree of benefit to the gas industry
- Originality
- Content and presentation quality
- Relevance to the conference theme “Fueling the Future” and the three areas of strategic focus (detailed on page 5)

Official notification of acceptance or rejection of an abstract will be emailed to the nominated contact person on **November 27, 2017**.

CONFERENCE REGISTRATION FEE

All authors presenting at WGC 2018 will be required to pay a discounted conference fee of USD\$3,500.

SUBMISSION OF FULL PAPERS

Authors of accepted abstracts must submit the full paper, digital poster or demonstration by March 9, 2018. Full papers must be a maximum of 20,000 words and submitted in English.

COPYRIGHT

The author and IGU hold joint copyright with respect to accepted abstracts and full papers. The full papers will be registered within the IGU as reference literature and will be included in the electronic documentation to be distributed to all registered participants of WGC 2018. Authors are required to provide the IGU with applicable copyright permissions and warranties prior to any distribution or publication.

CONTACT

For any questions please do not hesitate to contact us at cfa@wgc2018.com or phone **+44 20 7978 0033**.



IGU GLOBAL GAS AWARD

The IGU Global Gas Award was established in 2008 with the objective of contributing to the progress of the gas industry through promoting innovation and sustainability. This year, submissions will be considered under the theme **“The role of natural gas in improving the quality of life, today and in the future”**, in relation to the IGU’s Triennial Work Program’s three areas on strategic focus (detailed on page 5). The best project, selected by the IGU judging panel, will demonstrate an in-depth knowledge of the industry and the relevance of natural gas in delivering a cleaner environment, creating economic opportunity, meeting vital human needs and driving innovation. If you believe your submission qualifies for the award, please indicate this when requested during the submission process. **This competition is open to IGU members only.**

WGC 2018 INNOVATION AWARDS

The natural gas industry is building on a foundation and legacy of cutting edge technology. WGC 2018 will highlight the next major innovations in technology through an Innovation Award competition.

Awards will be presented in the following 10 categories:

- Exploration and Production (E&P)
- Liquefied Natural Gas (LNG)
- Gas Transmission, Processing and Storage
- Gas Distribution
- Domestic Utilization
- Commercial and Industrial Utilization
- Transportation Driven by Gas
- Digital and Smart Solutions
- Gas and Renewables
- Emissions Detection and Mitigation

The competition will provide opportunities for a broad exposure of innovative technology. Winners of each of the 10 categories will be offered the opportunity to present their project in special highlighted sessions in the Technical & Innovation Center.

If your business has a proven concept that you think will help change the future of the gas industry please indicate this during the submission process and complete the supplementary information required when requested. **This competition is open to all.**

For more information about both awards please visit wgc2018.com.

DISTRIBUTION



Vice Chair: José Carlos Broisler Oliver, [Comgas](#)

EXPLORATION & PRODUCTION



Vice Chair: Ekaterina Litvinova, [Gazprom](#)

GAS MARKETS



Vice Chair: Zhaoyan Liu, [Shenzhen Gas Corp. Ltd.](#)

LNG



Vice Chair: Farid Berrahou, [Sonatrach](#)

MARKETING & COMMUNICATION



Vice Chair: Hansch van der Velden, [N.V. Nederlandse Gasunie](#)

R&D AND INNOVATION



Vice Chair: Hisataka Yakabe, [Tokyo Gas](#)

STORAGE



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STRATEGY



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SUSTAINABILITY



Vice Chair: Lizuryaty Azrina Abdullah, [Petroneas](#)

TRANSMISSION



Vice Chair: Patrick Pelle, [French Gas Association](#)

UTILIZATION



Vice Chair: Carlos Serrano, [Gas Natural Fenosa](#)

STRATEGIC COMMUNICATIONS & OUTREACH



Vice Chair: Ieda Correia Gomes Yell, [BP Gas Marketing Ltd](#)

WORKFORCE DEVELOPMENT



Vice Chair: Lisette Poot, [Energy Delta Institute](#)

OVERVIEW OF TOPICS

EXPLORATION & PRODUCTION	
Session Type	Session Title/Topic
Industry Insights	Exploration and development of new geological frontiers and new applications of conventional gas resources
Industry Insights	Impact of unconventional resource development on the world gas market
Industry Insights	Digitization and big data transforming the E&P lifecycle
Technical & Innovation Center	Technological advances to extend the lifecycle of conventional mature gas fields
Technical & Innovation Center	New technologies to make unconventional gas development more resilient
Technical & Innovation Center	Next generation materials to meet E&P needs
Technical & Innovation Center	Applied technology and innovations in sustainable unconventional gas development

LNG	
Session Type	Session Title/Topic
Industry Insights	Floating LNG concepts: facts and differentiators
Industry Insights	LNG competitiveness in the energy market
Industry Insights	Enhancing LNG facility functionality and capability*
Industry Insights	World LNG report: the current market and emerging issues
Technical & Innovation Center	Floating LNG concepts: technical challenges
Technical & Innovation Center	Enhancing LNG facility functionality and capability*
Technical & Innovation Center	Small scale LNG: technology applications and case studies

TRANSMISSION	
Session Type	Session Title/Topic
Industry Insights	Transmission pipeline growth and diversification*
Industry Insights	Effective operations - a precondition for market competitiveness
Industry Insights	Safety and environmental performance of gas transmission systems
Technical & Innovation Center	Transmission pipeline growth and diversification*
Technical & Innovation Center	Effective operations for transmission pipelines
Technical & Innovation Center	Pipeline integrity management

STORAGE	
Session Type	Session Title/Topic
Industry Insights	New underground storage (UGS) projects - global review
Industry Insights	Safe operation and best practices of UGS
Industry Insights	Storage market and conventional/unconventional value of UGS
Technical & Innovation Center	Innovations in gas storage technology and applications

DISTRIBUTION	
Session Type	Session Title/Topic
Industry Insights	Access to isolated areas and promotion of new connection points
Industry Insights	Reliability, safety and performance - exceeding stakeholder expectations
Industry Insights	Gas distribution and sustainability considerations
Industry Insights	Cyber-security: ensuring protection of the gas industry infrastructure
Technical & Innovation Center	Advances in gas distribution technologies
Technical & Innovation Center	Advances in gas distribution practices

GAS MARKETS	
Session Type	Session Title/Topic
Industry Insights	The role of gas demand for the development of new sources of supply up to 2040
Industry Insights	Changes in emerging gas markets: Middle East, Southeast Asia and Latin America
Industry Insights	Obstacles encountered for the development of new sources of gas
Technical & Innovation Center	Potential impact of new sources of gas on global energy markets
Technical & Innovation Center	Innovations that stimulate gas demand and develop new markets**

*For an explanation of the difference between Industry Insights and the Technical & Innovation Center sessions please refer to page 6.

**This session will be jointly conducted with the Exploration & Production committee.

OVERVIEW OF TOPICS

STRATEGY	
Session Type	Session Title/Topic
Industry Insights	Long term demand/supply
Industry Insights	Gas pricing
Industry Insights	Best practices in governance and regulation

SUSTAINABILITY	
Session Type	Session Title/Topic
Industry Insights	From social license to privilege to operate: is the gas industry meeting communities' expectations?
Industry Insights	The new role of gas in a low carbon world
Industry Insights	The importance and role of methane emissions mitigation
Technical & Innovation Center	Using corporate social initiative (CSI) to avoid conflict
Technical & Innovation Center	Successful application of detection technology and methods for methane emissions quantification and reduction

MARKETING & COMMUNICATIONS	
Session Type	Session Title/Topic
Industry Insights	Power of the people: the role of public acceptance in business decisions
Industry Insights	Marketing the benefits of LNG in marine transportation
Industry Insights	Marketing innovation and innovations in marketing
Technical & Innovation Center	Best practices in gas industry marketing and communications

R&D AND INNOVATION	
Session Type	Session Title/Topic
Industry Insights	Innovation: implementing future energy systems through technology
Industry Insights	Innovation: creating acceptance for natural gas
Industry Insights	Innovation: driving growth in transportation markets
Industry Insights	Innovation: effectively characterizing and addressing methane emissions
Technical & Innovation Center	What's hot in gas research - upstream applications and gas infrastructure
Technical & Innovation Center	What's hot in gas research - utilization technologies and environmental footprint

UTILIZATION	
Session Type	Session Title/Topic
Industry Insights	Natural gas: the essential fuel for industry in a sustainable future
Industry Insights	The role of natural gas in buildings in 2030 in response to regional energy policies
Industry Insights	Natural gas for transport: driving clean mobility forward
Industry Insights	The impact of gas quality on current and future use
Technical & Innovation Center	Innovations in industrial utilization
Technical & Innovation Center	Innovations in residential and commercial gas technologies
Technical & Innovation Center	Innovations in natural gas vehicles and fueling infrastructure

WORKFORCE DEVELOPMENT	
Session Type	Session Title/Topic
Industry Insights	HR opportunities and challenges in a digital world
Industry Insights	Building a workforce for gas industry needs
Industry Insights	Attracting and retaining staff for the gas industry
Technical & Innovation Center	Advances in workforce management, training and development

PROPANE APPLICATIONS	
Session Type	Session Title/Topic
Industry Insights	Collaboration between natural gas and LPG in market development
Technical & Innovation Center	LPG technology and innovation

Detailed descriptions of all the topics are available on wgc2018.com. Please refer to the topic description before submitting your abstract.



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