



IGTC2023 Kyoto

November 26(Sun.)-December 1(Fri.), 2023

<https://www.igtc2023.org/>



Gas Turbine Society of Japan
Celebrating 50 Years

International Gas Turbine Congress 2023 Kyoto (IGTC2023 Kyoto)概要

- 主催 : 公益社団法人 日本ガスタービン学会
協賛 : 関連学協会（国内、国外）に依頼中
会期 : 2023年11月26日（日）～12月1日（金）
会場 : 国立京都国際会館
参加者 : 国内外より約500名
講演会 : 一般講演 約210件
招待講演, パネルディスカッション, フォーラム

重点分野 :

- エネルギー関連
 - ・再生可能エネルギーの将来像
 - ・今後のエネルギー戦略
- 航空関係
 - ・航空エンジンシステムの将来像
- オーガナイズドセッション
 - ・再生可能エネルギー, ガスタービン洗練・高効率化,
蒸気タービンシステムの高効率化, 航空エンジンの最新システム,
航空エンジンのヒートマネジメント, 非定常流れの計測と制御,
革新計測・可視化技術 など

展示会 : 同会場で63小間の展示会を実施

見学会 : 講演会終了後, 12月1日（金）に三菱重工業(株)高砂製作所, 川崎重工業(株)明石工場, 水素発電関連施設などへの見学会を実施

会議ウェブサイト : <https://igtc2023.org/>

以上

Welcome to IGTC2023

The Executive Committee has scheduled the 13th International Gas Turbine Congress (IGTC) in the autumn of 2023. The last IGTC was successfully held in 2019 in Toranomon Hills, located in the central part of Tokyo, with 488 participants and 178 presentations.

Papers related to any aspects of gas turbine, aero-engine, turbomachinery and energy conversion system are invited from all over the world. Plenary Lectures, Keynote Lectures and Panel Discussions will be arranged in addition to the General Sessions.

An exhibition related to gas turbines, energy systems, turbochargers, accessories, parts, materials, instrumentation, software, etc. will be held at the congress site. Technical tours, welcome reception, and banquet will also be planned.

The Executive Committee cordially invites you to join the IGTC2023 for up-to-date information exchange and net-working.

Message from GTSJ President



Yasushi Fukuizumi
President of Gas Turbine Society of Japan

It is my great pleasure to announce that the International Gas Turbine Congress 2023 Kyoto (IGTC2023 Kyoto) will be held in November. This is the 13th international congress organized by the Gas Turbine Society of Japan (GTSJ). On behalf of

GTSJ, I would like to welcome the participants from all over the world. The Plenary, Keynote and Panel sessions will be also planned by the Executive Committee including the panel topics of future aircraft propulsion technology from manufactures' point of view and turbine technology development for low carbon society. GTSJ intends to provide a global platform for engineers, researchers and users to exchange ideas and results as well as to promote personal networking, with a focus on gas turbines, propulsion, and energy systems. With increasing demand for CO₂ reduction, our global collaboration in the energy sector is one of the most important factors for ensuring environmental sustainability in the future. I look forward to seeing you in Kyoto.

CONGRESS DATES

Welcome Reception: Nov. 26 (Sun)
Technical Sessions: Nov. 27-30 (Mon-Thu)
Banquet: Nov. 29 (Wed)
Technical Tours: Dec. 1 (Fri)

SCOPE & TOPICS

The topics of papers to be presented include but are not restricted to the following areas:

- Aerodynamics and Design
- Combustion, Fuel and Emissions
- Control and Diagnostics
- Cycle Innovation
- Testing Technologies
- Heat Transfer
- Materials and Manufacturing Technologies
- Operational Experiences, Reliability and Maintenance
- Renewable Energy Technologies
- Structure and Dynamics
- Aircraft Engines
- Industrial Gas Turbine and Power Systems
- Small Gas Turbine and Turbochargers
- Steam Turbines

EXHIBITION

An exhibition related to gas turbines, turbo machines, related power systems and their accessories, parts, materials, instrumentation, application software, etc. will be held concurrently at the congress site exhibition hall.

COLLABORATING SOCIETIES

We are asking the following related societies from abroad for their collaboration:
ASME/IGTI, CSET, CAS/IET, CAS/SARI, ETN, IMechE, KSFM, KSME, VDI, ATI, IERE

INTERNATIONAL ADVISORY COMMITTEE

Prof. Frans A. E. Breugelmans	(Belgium)
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Prof. WeiGuang Huang	(China)
Prof. Xiaofeng Sun	(China)
Prof. Joerg R. Seume	(Germany)
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Prof. Seung Jin Song	(Korea)
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Prof. Terrence W. Simon	(USA)
Prof. Zoltan S. Spakovszky	(USA)
Dr. David C. Wisler	(USA)

EXECUTIVE COMMITTEE

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Prof. Susumu Teramoto (Vice-chair)	(Univ. of Tokyo)

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Prof. Masaya Muto	(Meijo Univ.)

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Mr. Yusuke Sakai (Chair)	(KHI)
Mr. Ryoji Tamai	(KHI)

Financial Committee

Mr. Tsutomu Oishi (Chair)	(IHI)
Ms. Karin Hirakawa	(IHI)

CALL FOR PAPERS

Papers concerning all aspects of gas turbine, turbocharger, steam turbine and energy conversion system technologies are invited.

Important Dates

Oral Presentation:

Deadline for submission of Extended Abstract: Mar. 31, 2023
Notification of acceptance: May 31, 2023

Full-length Paper for JGPP* (Optional, Applicant only):

Deadline for submission of full-length paper: Jul. 31, 2023
Publication: After the Congress

*JGPP: International Journal of Gas Turbine, Propulsion and Power Systems (<https://www.gtsj.or.jp/english/jgpp/>)

Extended Abstract for Oral Presentation

Prospective authors are requested to submit an Extended Abstract, which should be written in 2-4 pages including a few figures and tables in the format of the JGPP. All Extended Abstracts will go under peer review by Scientific Committee. As a general rule, please limit the number of abstracts submitted to one per author (except co-authors). Authors are requested to pre-register for the Congress.

Full-length Paper to JGPP (Optional)

Authors will be encouraged to submit a full-length paper, which should include the detailed methodology and discussion, to the JGPP. The peer review will be performed rigorously and rapidly in line with the JGPP policy, and the accepted papers will be published on the JGPP after the Congress.

Electronic Proceedings

Electronic proceedings, including accepted Extended Abstracts in PDF format, will be provided to participants of the Congress in a compact data storage device.

Official Language

The official language of the congress is English.

CONGRESS WEBSITE

For further information and announcements regarding the congress including the exhibition of your company or organization, please refer to the Congress Website at:

<https://www.igtc2023.org/index.html>

Abstract submissions and advanced registration will be accepted through the website. A tentative program will be available around August 2023. Advance registration also beginning around July 2023.



LOCATION AND VENUE

Kyoto City

The congress will be held in Kyoto, which was the capital of Japan until 1869 and was the political center of Japan for over 1000 years. Kyoto is one of the most historical and cultural city in Japan. For further tourism information, please visit the "Kyoto Travel Guide" website:

<https://kyoto.travel/en/>

Kyoto International Conference Center

The congress venue is the *Kyoto International Conference Center (ICC)*. The venue can be reached from Kansai International Airport by limited express train "Haruka" (75 min.) and subway (20 min.). For further information, please visit:

<http://www.icckyo.or.jp/en/>



CORRESPONDENCE

All inquiries for the congress should be addressed to:
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First Circular & Call for Papers

IGTC2023 Kyoto

International Gas Turbine Congress 2023 Kyoto 13th Congress in Japan



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Kyoto, Japan



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