

CALL FOR PAPERS

20th International Symposium on Solid Oxide Fuel Cells (SOFC-XX)

*Sponsored by
The SOFC Society of Japan
and*

*High-Temperature Energy, Materials, & Processes Division
of The Electrochemical Society*

SOFC研究会

The SOFC Society of Japan



The Electrochemical Society
Advancing solid state & electrochemical science & technology

SOFC-XX

JULY 11 TO JULY 16, 2027

PLAZA HEISEI, TOKYO, JAPAN

Co-Organized by
The SOFC Society of Japan and
High-Temperature Energy,
Materials, & Processes
Division (H-TEMP) of The
Electrochemical Society (ECS)



<https://www.c-linkage.co.jp/sofc-xx/>

INFORMATION

The 20th International Symposium on Solid Oxide Fuel Cells (SOFC-XX) takes place in Tokyo, Japan, from July 11-16, 2027, at the Plaza Heisei (Tokyo International Exchange Center). Scientists, engineers, and researchers from academia, industry, and government laboratories around the world come together to share results and discuss issues related to solid oxide fuel cells (SOFCs) and electrolyzers (SOECs). This forum provides opportunities to learn and exchange information on the latest scientific and technical developments related to SOFCs and SOECs.

ABSTRACT SUBMISSION

To give an oral or poster presentation at SOFC-XX, submit an **original** abstract for consideration via the SOFC website **no later than February 1st, 2027**, and late abstracts are not accepted. State the work's objectives, new results, and conclusions or significance explicitly in the abstract. All oral presentation requests may not be accepted as the number of oral presentation time slots is limited. Therefore, oral contributions may be moved into poster sessions. Research groups submitting more than one abstract should seek a reasonable balance between oral and poster presentations. After the submission deadline, symposium organizers evaluate abstracts for content and relevance to the symposium topic, then schedule accepted submissions as either oral or poster presentations. Letters of Acceptance notifying presenting authors of abstract acceptance and presentation date, time, and location are emailed in March 2027.

PAPER PRESENTATION

Oral presentations must be in English. LCD projectors and laptops are provided for all oral presentations. **Presenting authors submit their presentations via E-mail or bring data to use with dedicated laptops located in the technical session rooms.**

Poster presentations must be in English. Print posters in A0 format (84.1cm x 118.9cm or 33.1in x 46.8in) and label with the abstract number and day of presentation as printed in the final program.

MEETING PUBLICATIONS

SOFC-XX Meeting Extended Abstracts – All extended abstracts associated with a presentation given at the scheduled meeting will be published in the SOFC-XX online program end of March, 2027 and then in the ECS Digital Library approximately six months after the meeting closes. All abstracts are copyrighted by ECS and become ECS's property upon presentation.

ECS Journals – Authors presenting papers at SOFC meetings are encouraged to submit to ECS's technical journals: *Journal of The Electrochemical Society (JES)*.

TECHNICAL EXHIBIT

SOFC-XX includes a Technical Exhibit featuring manufacturers' presentations and displays of instruments, materials, systems, publications, and software of interest to meeting attendees.

Interested in exhibiting at the meeting? Exhibit opportunities include unparalleled benefits and provide an extraordinary chance to present companies' scientific products and services to key constituents from around the world. Combine exhibiting with sponsorship for customized opportunities that suit all needs. Contact **M-sofc-xx_secretariat@aist.go.jp** for further details.

MEETING REGISTRATION

All participants, including authors and invited speakers, are required to pay the applicable registration fees. Meeting registration information is posted on the SOFC website as it becomes available. The deadline for discounted early registration is April 30th, 2027. Meeting registration includes admission to the Plenary, Technical, Poster, and special sessions, coffee refreshments, and conference banquet.

HOTEL RESERVATIONS

Refer to the meeting website for the most up-to-date information on hotel information. Nearby hotels are **Grand Nikko Tokyo Daiba** and Hilton Tokyo Odaiba. Also, there are several hotels nearby in the Tokyo Big Site and Shimbashi station areas.

LETTER OF INVITATION

Individuals requiring official letters of invitation should email **M-sofc-xx_secretariat@aist.go.jp**. These letters do not imply any financial responsibility on the part of the meeting organizers.

SPONSORSHIP OPPORTUNITIES

SOFC-XX provides a wonderful opportunity to solidify and strengthen brands through sponsorship. Gain visibility with key industry decision makers; develop collaborative partnerships and potential business leads.

SOFC-XX welcomes support in the form of general sponsorships at various levels. Sponsors are recognized by meeting signs, Meeting Program, and website. Contact

M-sofc-xx_secretariat@aist.go.jp for further details.

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July 11-16, 2027

Plaza Heisei (Tokyo International Exchange Center)

CALL FOR PAPERS

The 20th International Symposium on Solid Oxide Fuel Cells (SOFC-XX) provides an international forum for the presentation and discussion of the latest research and developments on solid oxide fuel cells (SOFCs), solid oxide electrolysis cells (SOECs), and related topics. Papers are solicited on all aspects of solid oxide fuel cells and electrolyzers. Following is a partial list of topics being addressed:

- 1) Materials for cell components (e.g., electrolyte, electrodes, interconnects, and seals);
- 2) Fabrication methods for cell components, complete cells, and stacks;
- 3) Cell designs, electrochemical performance, and modeling;
- 4) Stack designs and their performance;
- 5) Utilization of different fuels with or without reformation;
- 6) Stationary power generation, transportation, and portable power applications;
- 7) Prototype SOFC and SOEC systems, field test experience, cost, and commercialization plans.

To be considered for an oral or poster presentation at SOFC-XX, submit an **original extended abstract** of up to 2,000 words and no more than two image files **no later than February 1, 2027**, via the website:

<https://ecs.confex.com/ecs/sofc2027/cfp.cgi>

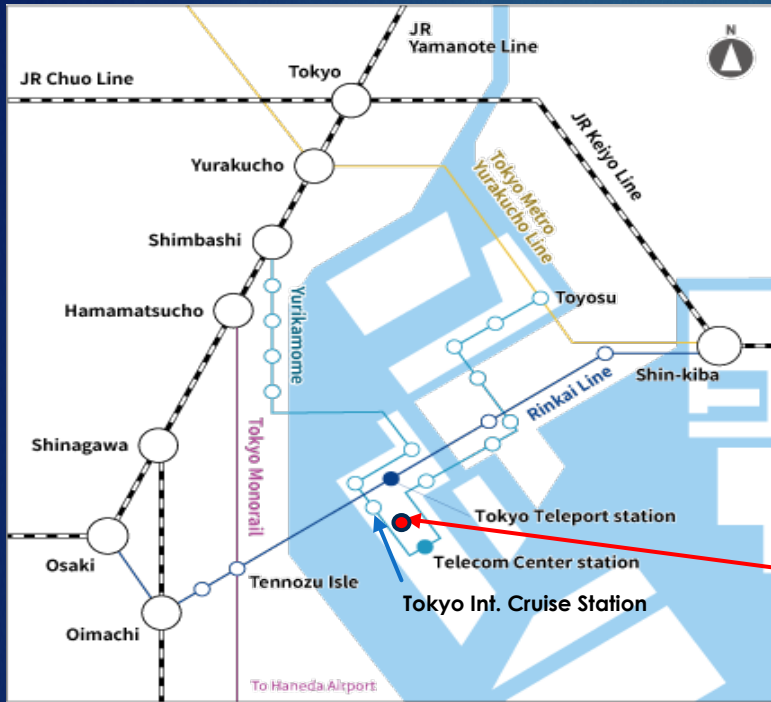
As ECS is discontinuing ECS Transactions, to capture all of the symposia content, SOFC is transitioning to extended abstracts that will be available before the conference. Authors of the best papers are encouraged to submit to the Journal of The Electrochemical Society after the conference.

Address questions and inquiries to the symposium organizers: Eric D. Wachsman, University of Maryland, e-mail: ewach@umd.edu; and Teruhisa Horita, National Institute of Advanced Industrial Science and Technology (AIST), e-mail: t.horita@aist.go.jp.

Important Dates

Meeting abstract submission opens.....	September 2026
Meeting abstract submission deadline.....	February 1, 2027
Notification to presenting authors of abstract acceptance or rejection Technical program published online.....	March 29, 2027
Meeting Sponsor and Exhibitor deadline (<i>for inclusion in printed materials</i>).....	March 29, 2027
Early meeting registration deadline.....	April 30, 2027

ACCESS to CONFERENCE VENUE



PLAZA HEISEI



Address: 2-2-1 Aomi, Koto-ku, Tokyo 135-8630

By TRAIN

- Take Yurikamome and get off at Tokyo International Cruise Station, then 5-minute walk from the station.
- Take Rinkai Line and get off at Tokyo Teleport Station, then 10-minute walk from the station.

By BUS

- From Tokyo Teleport Station (Rinkai Line) or Monzen-nakacho Station (subway), take bus 海01 to Telecom Center Station, then 5-minute walk from the station.
- From Tokyo Teleport Station (Rinkai Line), take bus 波01 to Telecom Center Station, then 5-minute walk from the station.

From Haneda Airport

Take TAXI about 20-30 minutes from the airport.
Take Tokyo Monorail and get off at Tennozu Isle Station.
Then transfer to Rinkai Line bound for Shinkiba, and get off at Tokyo Teleport Station, then 10-minute walk from the station.



Rainbow Bridge from Odaiba side
(waterfront area)



Grand Nikko Tokyo Daiba (Banquet Venue)
(Daiba 2-6-1, Minato-ku, Tokyo)