



## SOFC-XVIII

Hynes Convention Center, BOSTON, MA, USA

May 28-June 2, 2023

**ABSTRACT SUBMISSION: DECEMBER 2, 2022**

Dear Colleague,

The Eighteenth International Symposium on Solid Oxide Fuel Cells (**SOFC-XVIII**) will be held at the Hynes Convention Center in Boston, Massachusetts, USA on **May 28<sup>th</sup> -June 2<sup>nd</sup> 2023**; a Call for Papers is available at <https://ecs.confex.com/ecs/243/cfp.cgi>.

As was the case with the previous seventeen symposia in this series, this Symposium will provide 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 SOFCs and SOECs; following is a partial list of topics to be addressed:

- (1) Materials for cell and stack components (e.g., electrolyte, electrodes, interconnection, 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
- (8) High temperature electrolysis with solid oxide electrolytes (SOECs)

The ECS online abstract submission site (<https://ecs.confex.com/ecs/243/cfp.cgi>) is now open. Abstracts for all oral and poster contributions must be submitted via the ECS website no later than **December 2, 2022**.

All papers presented at the Symposium will be published as a special issue of the *Electrochemical Society Transactions* (ECST) that will be available in electronic form to all symposia participants at the meeting. Manuscripts should be prepared according to the ECST manuscript preparation guidelines available at <https://www.electrochem.org/publications/ecst>. Manuscripts not adhering to the formatting and other preparation instructions will not be accepted. Note, an SOFC/SOEC Focus Issue of the Journal of The

Electrochemical Society is planned and authors of the best ECST manuscripts will be invited to submit full journal manuscripts for this Focus Issue.

All manuscripts should be submitted online to ECS no later than **March 17, 2023**. Manuscript should be submitted in MS Word format (irrespective of any other instruction on the website) to allow us to make any minor editorial or formatting changes before converting the file to pdf format. Submission of an abstract obligates the author to submit a full manuscript, and no paper (either oral or poster) will be scheduled in the Symposium program if a manuscript is not received by the deadline.

We look forward to receiving your abstract(s) and seeing you in Boston, Massachusetts for another exciting symposium on SOFCs, SOECs and related topics. *If you have already submitted your abstract(s), please prepare your manuscript(s) now.*

Best Regards,

Chairs of SOFC-XVIII

Eric D. Wachsman, University of Maryland, [ewach@umd.edu](mailto:ewach@umd.edu),

Teruhisa Horita, National Institute of Advanced Industrial Science and Technology, [t.horita@aist.go.jp](mailto:t.horita@aist.go.jp)