

The 17th International Symposium on  
Solid Oxide Fuel Cells (SOFC-XVII)  
DIGITAL MEETING

July 18-23, 2021

## SOFC-XVIIの概要

主催: High-Temperature Energy, Materials, & Processes (H-TEMP)  
Division, ECS  
SOFC研究会

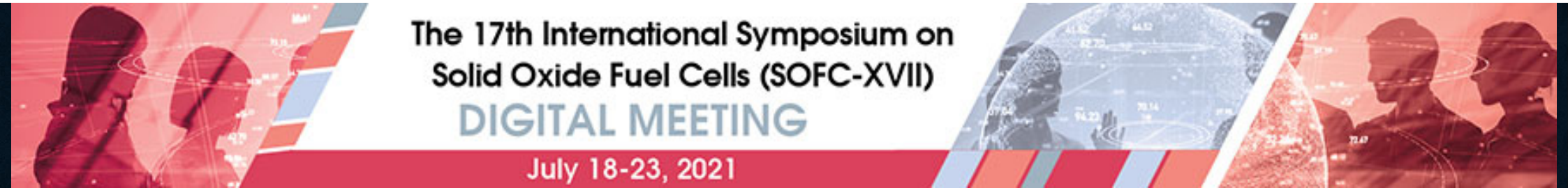
スポンサー



Chair Persons: Eric D. Wachsman (University of Maryland)  
Teruhisa Horita (Nati'l Institute of Advanced Industrial Science and Technology)

リモートではありましたが、盛大に開催されました。皆様のご協力に感謝いたします。





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## SOFC-XVIIの概要: 参加者・登録数、論文数

### Abstracts

300 scheduled abstracts

13 sessions

32 countries participating

263 abstracts with digital presentation files:

*228 videos, 172 slide decks, 15 posters*

**Proceedings –ECS Transactions, Volume 103, Issue 1**

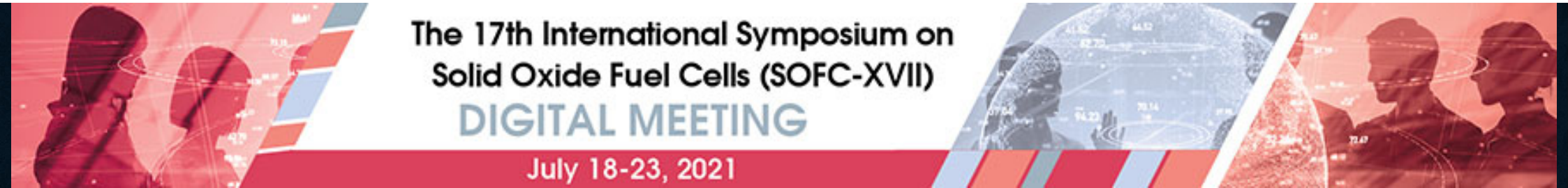
209 papers

### Attendees

354 total registrants

111 students





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## LIVE SESSIONの概要： 月曜日～木曜日開催

0800-1025h EST ● 1300-1525hGMT ● 2100-2325h JST (月曜日の概要)

**(Plenary) Update on the SOFC Program at the DOE's National Energy Technology Laboratory** S. Vora (*United States Department of Energy*), M. Williams, and G. Jesionowski (*KLS, Inc.*)

**(Plenary) Introduction of National Projects Concerning Fuel-Cells in Japan**

D. Hara (*New Energy and Industrial Technology Development Organization*)

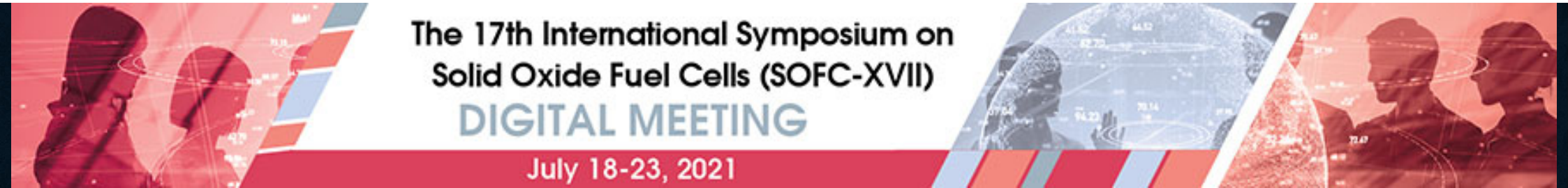
**Q&A on Cells, Stacks & Systems**

Moderated by N. Q. Minh and T. Kawada

**Q&A on Cells, Stacks & Systems Modeling** Moderated by J. Brouwer and G. A. Hackett

**(ECS High-Temperature Energy, Materials, & Processes Division Subhash Singhal Award) Solid Oxide Fuel Cell Technology – Perspectives on the Future**  
N. Q. Minh (*University of California San Diego*)





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0800-1020h EST ● 1300-1520h GMT ● 2100-2320h JST

**(Plenary) The Status of SOFC and SOEC R&D in the European Fuel Cell and Hydrogen Joint Undertaking Programme** M. Atanasiu, D. Tsimis, A. Aguiló-Rullan, N. Lymperopoulos, and D. Dirmiki (*Fuel Cells and Hydrogen Joint Undertaking*)

**(Plenary) U.S. DOE EERE Activities in High Temperature Electrolysis and Reversible Fuel Cells** D. Peterson, N. Stetson, D. Papageorgopoulos, W. T. Gibbons, and K. Randolph (*Hydrogen and Fuel Cell Technologies Office, U. S. Department of Energy*)

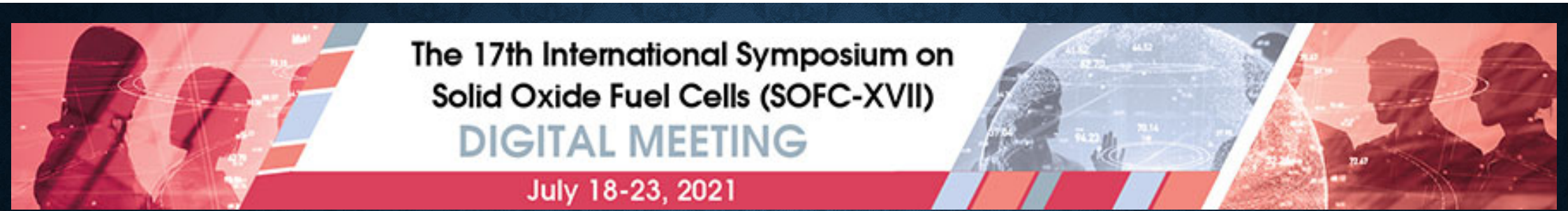
### Q&A on Solid Oxide Electrolysis and Reversible Cells and Systems

Moderated by O. A. Marina and A. Hagen

Q&A on Proton Conducting Cells Moderated by K. Amezawa and R. O'Hayre

Q&A on Metal Supported Cells Moderated by M. C. Tucker and S. Mukerjee





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## LIVE SESSIONの概要：水曜日

0800-0945h EST ● 1300-1445h GMT ● 2100-2245h JST

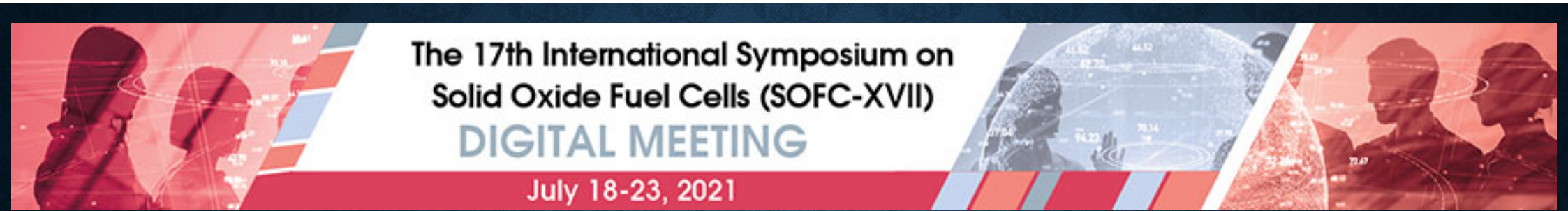
**(Plenary) Integrate to Extend the Reach of Solid Oxide Fuel Cells**  
D. Tew (*Advanced Research Projects Agency -Energy*), R. Cox-Galhotra, V. Lecoustre (*Booz Allen Hamilton*), R. Radhakrishnan (*Advanced Research Projects Agency -Energy*), and G. L. Soloveichik (*United States Department of Energy*)

**Q&A on SOFC Cathodes** Moderated by P. V. Hendriksen and T. Ishihara

**Q&A on SOFC Anodes** Moderated by S. Basu and T. Matsui

**Q&A on Durability and Reliability** Moderated by N. Menzler and K. D. Bagarinao





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## LIVE SESSIONの概要：木曜日

**0800-0930h EST ● 1300-1430h GMT ● 2100-2230hJST**

**Q&A on Characterization and Testing** Moderated by N. Shikazono and K. Yashiro

**Q&A on Electrolytes and Interconnect and Sealing** Moderated by J. S. Hardy  
and R. H. Song

**Q&A on Posters** Moderated by M. Han and Y. Du