

Fellow Electrolysis Enthusiasts,

Across society, it has been a difficult past 18 months adapting to the changing world involving the COVID pandemic. The International Conference on Electrolysis 2021 (ICE 2021) initially planned for June 28- July 1, 2021 was forced to be delayed due to health concerns and travel restrictions and is now planned for June 22-25, 2022. Still the same location taking place at the Colorado School of Mines, Golden, CO, USA. For the most recent information and updates please visit <https://ice2021.csmospace.com/>

The amount of interest and growing importance for hydrogen and, in particular, electrolysis has made this delay all the more unfortunate. In the spirit of keeping the pace moving, as part of missing the originally planned dates, the ICE 2021 organizing committee and the ICE Scientific Steering committee have planned two small, free, webinar events on the topic of electrolysis. The details of these events as currently known are provided below, all times given in both Mountain and Central European times.

Webinar Event 1: Economics of Electrolysis and PEM Electrolysis

June 18th, 2021 (8-10:30 am Mountain, 4-6:30pm Central Europe)

Mountain time	Central Europe	Topic/Speaker
8 am	4 pm	The Economics of Hydrogen Production by Electrolysis in the Evolving Energy System, Mark Ruth, NREL includes Q&A
9 am	5 pm	Membrane requirements and opportunities for next-generation water electrolyzers - Lorenz Gubler / Paul Scherrer Institut / Switzerland
9:20 am	5:20 pm	Enhanced performance, durability and safety of low catalyst loading PEM water electrolyser - Stefania Siracusano / Istituto di Tecnologie Avanzate per l'Energia "Nicola Giordano" (ITAE) / Italy
9:40 am	5:40 pm	Porous Transport Layer Development at De Nora - Andrew Smeltz / De Nora Tech, LLC / USA
10 am	6 pm	Q&A for 3 previous speakers and moderated discussion Tom Smolinka, F-ISE

Webinar Event 2: Alkaline and Solid Oxide Electrolysis

June 25th, 2021 (8-11 am Mountain, 4-7 pm Central Europe):

Mountain time	Central Europe	Topic/Speaker
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8 am	4 pm	Large-scale Deployment of Modular Pressurized Alkaline Electrolysers, Kasper Tipsmark Therkildsen, Green Hydrogen Systems
8:20 am	4:20 pm	Anion selective polymer electrolyte membrane vs. Zirfon Perl separators in an alkaline water electrolysis stack. Impact on operation with diluted KOH solutions. Karel Bouzek, University of Chemistry and Technology Prague (UCTP)
8:40 am	4:40 pm	Freestanding non-noble metal electrodes for high performance alkaline and anion exchange membrane water electrolysers, Asif Ansar, German Aerospace Center (DLR)
9 am	5 pm	Q&A for 3 previous speakers and moderated discussion Oluf Jensen, DTU
9:30 am	5:30 pm	Solid Oxide Electrolysis Session Olga Marina, Pacific Northwest National Lab, and John Hansen/Peter Blennow, Haldor Topsoe)
10:30 am	6:30 pm	Q&A for previous speakers and moderated discussion John St. Irvine, University of St. Andrews

To register for these free events please click [here](#). We look forward to seeing you in Colorado in 2022, for ICE 2021 (we are keeping the name as a tribute to the pandemic). And hope that you will be able to attend the webinar events planned in the next few weeks. The 2020's are shaping up to be the decade of hydrogen, and electrolysis is going to place a central role in a more sustainable planetary energy system. Assuming we, as the research community, can do our part.

On behalf of the organizing and scientific committee,

Bryan Pivovar
Chair, ICE 2021