U.S. Department of Energy
Advanced Materials for PEM Electrolyzers (H2-AMP) Workshop

Bringing leading experts together to discuss PEM electrolyzer materials and future opportunities

Organized by the DOE Hydrogen & Fuel Cell Technologies Office and H2NEW Consortium

March 30-31, 2022

Virtual Meeting

(Register to receive meeting login information)

All times in Eastern Standard Time (EST) and subject to change

Day 1: Expert Presentations & Panels

(Q&A to follow each individual session)

11:00 AM	**Welcome, Context, & Overview of Workshop Goals** Speaker: Dr. Sunita Satyapal & Dr. Ned Stetson, DOE HFTO
11:15 AM	**Component/System Overview & Technoeconomic Analysis** Speaker: Dr. Bryan Pivovar, H2NEW
12:00 PM	**Current Status and Needs: Advanced PEM Materials (Industry Panel)** Dr. Kathy Ayers, Nel Hydrogen Dr. Corky Mittelsteadt, Plug Power Dr. Nemanja Danilovic, Electric Hydrogen
1:00 PM	**Networking Break**
1:45 PM	**Low-PGM/PGM-free Catalysts and Novel Supports** Speaker: Dr. Debbie Myers, Argonne National Lab
2:30 PM	**Novel Membranes & Ionomers** Speaker: Prof. Mike Hickner, Pennsylvania State University
3:15 PM	**Porous Transport Layers** Speaker: Prof. Iryna Zenyuk, University of California, Irvine
3:45 PM	**Bipolar Plates** Speaker: Dr. Ton Hurkmans, Ionbond
4:15 PM	**Wrap-up and Adjourn**

Agenda Subject to Change – Draft as of 03/24/2022

Day 2: Break-out Discussions

11:00 AM	Welcome			
Round 1 **11:15 AM - 12:45 PM**	Novel Low-PGM OER Catalysts	Novel PGM-free OER Catalysts	Advanced PFSA Membranes	Novel PTL and Interface Materials
12:45-1:15 PM	Break			
1:15-2:00 PM	Report-Out			
Round 2 **2:00-3:30 PM**	Cathode Improvements	Catalyst Material Discovery & Electrode Structures	PFSA Membrane Alternatives	Bipolar Plates and Coatings
3:30-4:00 PM	Break			
4:00-4:45 PM	Report-Out			
4:45 PM	Wrap-Up and Adjourn			