

Track 7: Fuel Cells: PEMFC

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DESCRIPTION OF THE TRACK

WHEC-2022 is a multidisciplinary international conference hosted by the International Association of Hydrogen Energy. The conference will offer both onsite and online presentations and exhibitions. In this track, authors are cordially invited to submit their extended abstracts in the field of Fuel Cells: PEMFC. Some key topics are listed here as a guide for the authors. The authors should submit their extended abstracts with a choice for either oral or poster presentations.

KEY TOPICS

(Topics include but not limited to the following)

- Proton Exchange Membranes for PEMFC
- Experimental Methods for Membrane/Ionomer Design, Synthesis and Characterization for PEMFC
- Electrocatalyst Design, Synthesis, Characterization for PEMFC
- Hydrogen Evolution Reaction (HER) Catalysts for PEMFC
- Oxygen Evolution Reaction (OER) Catalysts for PEMFC
- Carbon Nanostructures, 2D Materials and Other Catalyst Supports for PEMFC
- New Concepts for the Design of Novel Materials for PEMFC
- Performance/Durability Evaluation for PEMFC
- Component Degradation Mechanism and Accelerated Testing for PEMFC
- Advanced 3D Imaging and Characterization Techniques for PEMFC
- Other Components (bipolar plates, flow fields, etc.) of PEMFC
- Modeling & Simulations for PEMFC
- Reversible Fuel Cells
- Advances in PEMFC
- PEMFC Stacks & Modeling

Important Dates

Extended abstract due:

December 15, 2021

Notification of abstract acceptance:

February 15, 2022

WHEC2022 Tracks

- Track 1: Hydrogen Production: Thermochemical and Photonic Methods
- Track 2: Hydrogen Production: Electrolysis
- Track 3: Hydrogen Production: Biological Methods and Biohydrogen
- Track 4: Hydrogen Production: Nuclear
- Track 5: Hydrogen Separation and Purification
- Track 6: Hydrogen Storage
- Track 7: Fuel Cells: PEMFC
- Track 8: Fuel Cells: SOFC and other types
- Track 9: Integrated Hydrogen Energy Systems
- Track 10: Power to Gas
- Track 11: Hydrogen Safety
- Track 12: Codes, Standards and Regulations
- Track 13: Strategies and Policies
- Track 14: Hydrogen Industry, Commercialization and Marketing, Applications
- Track 15: Hydrogen Economy, Logistics, Infrastructure
- Track 16: Environmental Impact and Sustainable Development
- Track 17: Social Dimensions

