

Track 1:

Hydrogen Production: Thermochemical and Photonic Methods

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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 thermochemical and photonic hydrogen production. 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)

- Hydrogen production via artificial photosynthesis
- Hydrogen production via autothermal reforming
- Hydrogen production via biomass gasification
- Hydrogen production via coal gasification
- Hydrogen production via direct catalytic water decomposition (Thermophysical cycles)
- Hydrogen production via partial oxidation
- Hydrogen production via photoelectrolysis (Photolysis)
- Hydrogen production via photocatalysis
- Hydrogen production via photoelectrolysis
- Hydrogen production via photofermentation
- Hydrogen production via plasma arc decomposition
- Hydrogen production via plasma chemical decomposition of water
- Hydrogen production via reforming
- Hydrogen production via thermochemical cycles
- Hydrogen production via thermolysis
- Photobiological hydrogen production (Biophotolysis)
- Photoelectrochemical hydrogen production
- Other thermochemical and photonic hydrogen production methods

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

