

Track 12: Codes, Standards and Regulations

Track Coordinator: **Dr. Nader Javani** (njavani@yildiz.edu.tr)

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 Codes, Standards and Regulations. 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 vehicular fuel systems: codes and standards
- Leakage, explosion and detection standards for hydrogen systems
- Hydrogen transportation systems standards
- Standard for hydrogen piping at consumer locations
- Hydrogen refueling stations construction and operation codes and standards
- Standards for the acceptable concentration of hydrogen admixture in gas grids
- Codes and standards for piping, use, and handling of compressed and cryogenic liquid hydrogen units
- Hydrogen materials embrittlement and cracking standards and codes
- Cleaning standards for hydrogen enriched environments
- Hydrogen gas quality standards
- Portable fuel cell application codes and standards
- Hydrogen cylinders and composite tubes standards and codes
- Hydrogen-based energy sources and chemicals standards
- Effective emission standards for hydrogen production, transportation and usage
- Sensors standards and safety regulations
- Safety issues for commercial hydrogen production
- Codes, standards and regulations for commercializing hydrogen energy
- Insufficiency of existing codes, standards and regulations for hydrogen systems

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

