



## CONFERENCE OBJECTIVES

The 2024 World Fuel Cell Conference (WFCC) is a multi-disciplinary conference that covers the latest developments and advancements in fuel cells, from fundamentals, to advanced materials, design, engineering, products, and applications. It will be of particular value and interest to those in the relevant fields.

## CONFERENCE FORMAT

The conference will be composed of the following events and activities:

- General contributed abstracts/papers presented orally in technical sessions and/or by posters
- Keynote abstracts/papers presented by invited speakers
- Tutorials about fuel cell and hydrogen-related technology by inviting leading researchers

## ABSTRACT/PAPER SUBMISSION

The submissions to the conference are in two formats:

- Abstract only (no paper submission required and presentation only)
- Full Paper (for consideration in Best Paper Award and/or special issues of peer-reviewed international journals)

## IMPORTANT DATES

Deadline of Abstract (presentation only) or Full Paper (presentation & publication):

**31 May 2024**

Registration Deadline:

**31 May 2024** (early bird) | **28 June 2024** (regular)

## THREE COMPETITIONS

Three Competitions are included in the event:

- Best Paper Award
- Best Student Presentation Award
- 3 Minute Thesis (3MT) Competition

## COMMITTEES (UNDER DEVELOPMENT)

## REGISTRATION FEE

Participant	Before 31 May 2024	On/After 28 June 2024
Standard	400 USD	500 USD
Student	250 USD	350 USD

## TOPICS

The Conference welcomes abstract/paper in all areas of Fuel Cell and Hydrogen Technologies, including but not limited to:

### Theme 1: Fuel Cell

- Types of fuel cell: PEMFC, DMFC, SOFC, PAFC, AFC
- Materials and components: catalysts and their supports, GDLs, MPLs, MEAs, bipolar plates, membranes, ionomers
- Modelling design, optimization: materials, cells, stacks, systems
- Applications: mobile, stationary, portable, specials

### Theme 2: Hydrogen

- Hydrogen production: Electrolysis (PEMEC, SOEC), reforming, photolysis, anaerobic
- Hydrogen storage: compressed gas, cryogenic liquid, metal hydride, chemicals, container
- Hydrogen transport: trucking, pipeline, railway, ship
- Hydrogen infrastructure: fuelling station, distribution centres

### Theme 3: Inter-connection

- Hydrogen economy: BEV vs. FCEV, Hybrids
- On board hydrogen storage
- Lifecycle analysis: round trip efficiency of hydrogen & electricity generation, environmental impact assessment
- Renewable energy resource coupling: SOFC-SOEC, PEMFC-PEMEC

## General Contact

[2024wfcc@nimte.ac.cn](mailto:2024wfcc@nimte.ac.cn)

Please contact Gary Zhang (2024wfcc@nimte.ac.cn) if you have any questions for the submission process.



 International Association for Hydrogen Energy  
Fuel Cell Division

 NIMTE 中国科学院宁波材料技术与工程研究所  
Ningbo Institute of Material Technology & Engineering CAS

 中国科学院大连化学物理研究所  
DALIAN INSTITUTE OF CHEMICAL PHYSICS, CHINESE ACADEMY OF SCIENCES