CONFERENCE OBJECTIVES
The 2022 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.

VENUE
The conference will be held in Irvine, CA, USA at the University of California, Irvine (UCI). UCI is ranked among the nation’s top 10 public universities for the seventh year in a row by U.S. News & World Report. U.S. News also lists the campus at No. 2 for social mobility for a second consecutive year.

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), or
• Full Paper (for consideration in Best Paper Award and/or special issues of peer-reviewed international journals)

IMPORTANT DATES
Submission of Abstract (presentation only) or Full Paper (presentation & publication) - August 1, 2022-October 15, 2022
Notification to Authors - October 31, 2022
Submission of Revised Abstract/Paper (where applicable) - November 30, 2022
Registration Deadline - November 15, 2022

TOPICS
The conference invites you to submit abstract/paper in all areas of Fuel Cell Technology, 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, EAs, bipolar plates, membranes, ionomers
• Modelling design, optimization: materials, cells, stacks, systems
• Applications: mobile, stationary, portable, specials

Theme 2: Hydrogen
• H₂ production: Electrolysis (PEMEC, SOEC), reforming, photolysis, anaerobic
• H₂ storage: compressed gas, cryogenic liquid, metal hydride, chemicals, container
• H₂ transport: trucking, pipeline, railway, ship
• H₂ infrastructure: fueling station, distribution centers

Theme 3: Inter-connection
• Hydrogen economy: BEV vs. FCEV, Hybrids, polygen
• On board H₂ storage
• Lifecycle analysis: round trip efficiency of H₂ & electricity generation, environmental impact assessment
• Renewable energy resource coupling: SOFC-SOEC, PEMFC-PEMEC

CO-ORGANIZERS

UNIVERSITY OF CALIFORNIA    IRVINE
UNIVERSITY OF CALIFORNIA    IRVINE
ADVANCED POWER & ENERGY PROGRAM
CONFERENCE CHAIR
Jack Brouwer, University of California, Irvine

CONFERENCE CO-CHAIRS

INTERNATIONAL ADVISORY BOARD

INTERNATIONAL ORGANIZING COMMITTEE

LOCAL ORGANIZING COMMITTEE
William Gary, Cynthia Dieudonne, Jennifer Wilkens, Iryna Zenyuk, Yun Wang, Jack Brouwer

PUBLICATION
Some selected quality papers, after proper respective view, will be recommended for publication in special issues of several prestigious international journals, but primarily will be for the International Journal of Hydrogen Energy.

REGISTRATION FEE

Online (early bird): $150 student, $300 regular
In-person (early bird): $300 student, $650 regular

After September 30 , $200 student, $450 regular
After September 30 , $350 student, $750 regular