

2019 World Fuel Cell Conference

August 25-29, 2019, Shanghai, China

Organizer



International Association for Hydrogen Energy
Fuel Cell Division

Host



Conference Objectives

The 2019 World Fuel Cell Conference (WFCC) is a multi-disciplinary conference that covers the latest developments and advancements in fuel cells.

Venue

The conference will be held in Shanghai Minhang COURTYARD Marriott, Shanghai, China.

Plenary Talks

Dr. Tobias Brunner	Hynergy GmbH, Germany Hydrogen fuel pathways – gaseous, cryogenic and other alternatives
Prof. Michael Eikerling	Institute of Energy and Climate Research, Forschungszentrum Jülich, Germany Fundamental Challenges in Polymer Electrolyte Fuel Cells: Advances through Theory and Modeling
Dr. Yu Morimoto	Toyota Central R&D Labs, Inc., Japan Present Status and Challenges of Automotive Fuel Cells
Dr. Atsushi Ohma	Nissan Research Center, Japan Characterization and test protocols of fuel cell
Prof. Junliang Zhang	Shanghai Jiaotong University, China Ultra-low loading of Pt
Prof. Michael Guiver	Tianjin University, China Design approaches enabling hydrocarbon membrane use in PEMFC

Conference Committee

Conference Honorary Chairs: Nejat Veziroglu (USA) Baolian Yi (China) Minggao Ouyang (China)				
Conference Co-Chairs:	Xianguo Li (Canada)	Ibrahim Dincer (Canada)	Zi-Feng Ma (China)	Jianbo Zhang (China)
Intl. Organizing Committee:	Adnan Midilli (Turkey)	C. Ozgur Colpan (Turkey)	E. Caglan Kumbur (USA)	Sanjeev Mukerjee (USA)
	Xueliang Sun (Canada)	Shigang Sun (China)	Michael Guiver (China)	T.S. Zhao (China)
	Yasuhito Aoki (Japan)	Akihiro Liyama (Japan)	
Local Steering Committee:	Baolian Yi	Minggao Ouyang	Suping Peng	Wenquan Tao
	Yadong Li	Zaiku Xie	Zhigang Zou	Zhen Huang
	Zhiguo Qu	Shijun Liao	Zhigang Shao	Gongquan Sun
	Haijiang Wang	Zidong Wei	Wei Xing	Hui Yang
	Jiujun Zhang	Lin Zhuang	
Local Organizing Committee:	Zi-Feng Ma	Junliang Zhang	Xianxia Yuan	Jinli Qiao
General Inquiries:	Jian Zhao	jian.zhao@uwaterloo.ca	Lingyu Li (Sponsor)	lyli@sinopoly.cn

<https://www.iahe-fcd.org/>

Tutorials

- Properties of Hydrogen As a Clean Fuel Prof. Xianguo Li (University of Waterloo)
- Principle of EIS and its Application in Fuel Cell Prof. Jianbo Zhang (Tsinghua University)
- Instrumental Analysis of Fuel Cell Materials and its Correlation with FC Performance Dr. Yasuhito Aoki (Toray Research Center)

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 journals)

Topics

The conference invites you to submit abstract in all areas of Fuel Cell Technology, including but not limited to

Theme 1: Fuel Cell

Theme 2: Hydrogen

Theme 3: Inter-connection

- ☐ 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, ...

- ☐ 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, ...

- ☐ 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, ...

Registration Fee

Regular: USD \$ 550 (before June 30, 2019), USD \$ 650 (after June 30, 2019)

Student: USD \$ 400

Beneficiary Name: Shanghai Zijian Chemical Technology Co. Ltd;

Bank Name: China Construction Bank;

Bank Account: 3105 0178 3600 0000 3072 (USD) OR 3100 1667 1110 5250 1979 (RMB)

SWIFT CODE: PCBCCNBJSHX

Publication

Some selected papers, after proper respective review, will be recommended for publication in special issues of several prestigious international journals, including

- International Journal of Hydrogen Energy
- International Journal of Energy Research
- International Journal of Green Energy
- Automotive Innovation
- eTransportation
- Journal of Automotive Safety and Energy

Important Dates

Submission of Abstract Paper	July 12, 2019
Notification to Authors	July 19, 2019
Submission of Revised Abstract/Paper (where applicable)	July 26, 2019
Registration Deadline	July 30, 2019

