

## **"Standard-Defined Hydrogen World"**

### **2023 International Hydrogen and Fuel Cell Standards Summit**

#### **INVITATION LETTER**

Dear Industry Peers:

Hydrogen is an important alternative to traditional fossil fuels and a major driver of achieving global carbon neutrality. Driven by this goal, the development of hydrogen and fuel cell vehicles (FCVs) has become a global consensus. The establishment of systematic standards in hydrogen and FCVs will ensure high efficiency, high quality and high security in this field.

In January 2023, the International Hydrogen Fuel Cell Association (IHFGA) became a Category A Liaison with ISO's Hydrogen Technologies Technical Committee (ISO/TC197). This marks another important step for IHFGA in promoting the internationalization of hydrogen standards.

IHFGA is committed to carrying out international hydrogen standard development in the fields of hydrogen, fuel cells and FCVs, etc. It builds an international cooperation and exchange platform for international standardization, promoting exchanges and cooperation among members and their countries with ISO, improving the standardization level of hydrogen and FCV industry, and ultimately realizing its healthy development.

IHFGA will hold the **International Hydrogen and Fuel Cell Standards Summit with the theme of "Standard-Defined Hydrogen World" on May 11, 2023 during the "Beyond EXPO"** to promote the development and certification of international standards for hydrogen and FCV industry and to improve the consistency of standards and to achieve a win-win result for the industry.

**We sincerely invite you to attend the summit and look forward to promoting hydrogen and fuel cell standards development with you!**

**For those attending the summit, please fill in Attachment 2 Registration Form and send it**



to [ihfca@ihfca.net](mailto:ihfca@ihfca.net) by Wednesday, April 26, 2023, thank you!

Summit Contact:

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Attachment 1: 2023 International Hydrogen and Fuel Cell Standards Summit- Preliminary Agenda

Attachment 2: 2023 International Hydrogen and Fuel Cell Standards Summit- Registration Form

IHFCA Secretariat

April 23, 2023

Attachment 1:

## "Standard-Defined Hydrogen World"

### 2023 International Hydrogen and Fuel Cell Standards Summit

#### Preliminary Agenda

I. **Time and Place:** Macau, China (Registration: May 10; Conference Date: May 11; Ending Date: May 12)

II. Scale: 200 people

III. **Theme: Standard-Defined Hydrogen World**

IV. **Conference Name:**

**International Hydrogen and Fuel Cell Standards Summit -Beyond Week Series**

V. **Organization**

**Organizer:** International Hydrogen Fuel Cell Association

**Co-organizer:** Macau Technology General Association

The Association for Promotion of Science and Technology of Macau

**Supported By:** Macau Trade and Investment Promotion Institute

University of Macau

**Special Thanks:** Galaxy Macau

VI. **Conference Agenda (May 11); Language: English**

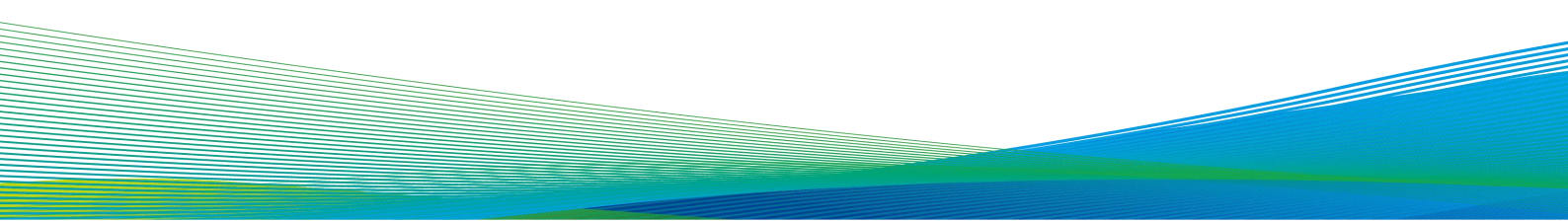
Morning Part (9:30-12:30)

Host: **Ju WANG**, Secretary General of International Hydrogen Fuel Cell Association

Address (9:30-9:40)

1	Address	TBD
Keynote Speech (9:40-12:30)		
2	Keynote Speech	<b>Qingquan CHEN</b> , Academician of the Chinese Academy of Engineering
3	Keynote Speech	<b>TBD</b>
4	Status and Trends of International Hydrogen Energy Industry Standard System	<b>Tetsufumi IKEDA</b> , ISO TC197 Chair (TBC)
5	Comparative Analysis of International Hydrogen Standards (Proposed)	Director from International Organization (TBC)
6	Current Status and Challenges of Green Hydrogen Development in Africa	<b>Siegfried Huegemann</b> , Secretary General of Africa Hydrogen Partnership (TBC)
Host: <b>Shuji YUDA</b> , Deputy General Manager of Toyota Motor (China) Investment Co., Ltd		
7	Green Hydrogen International Certification: Promote Carbon Neutrality	<b>James LAYBOURN</b> , Regional Sales Director & Hydrogen Segment Lead, Asia Pacific, DNV
8	Recent Development of Advanced and Low Cost Technologies and Catalysis for HER: Concept, Processing and Applications	<b>Jian LU</b> , Member of the French Academy of Science, Chair Professor, Director, Hong Kong Branch of the National Precious Metals Materials Engineering and Technology Research Center, City University of Hong Kong
9	Materials/Catalyst Research	<b>Zikang TANG</b> , Present Chair Professor and Director, Institute of Applied Physics and Materials Engineering, University of Macau
10	Renewable Energy Hydrogen Production Technology Research and Standard System	Hydrogen Expert from LONGi
11	Application of New Technology for Hydrogen Production by Water Electrolysis	TBD
Lunch (12:30-14:00)		
Afternoon Part (14:00-18:00)		
Host: <b>Tony CHEN</b> , Vice Chairman of International Hydrogen Fuel Cell Association		
Keynote Speech (14:00-16:00)		
12	Opportunities and Challenges for the Standardization of China's Hydrogen and Fuel Cell Vehicle Industry	<b>Wei BAO</b> , Secretary General, Hydrogen Energy Standardization Technical Committee, China National Institute of Standardization
13	Technical and Management Specifications for the Safety of Hydrogen Storage and Transportation Units	<b>Chaohua GU</b> , Institute of Energy Engineering, Zhejiang University

14	Hydrogen Refueling Station Safety Design and Operation Specifications	<b>Dongxue CAO</b> , Senior Specialist, Sinopec Group Corporation
15	Hydrogen Fuel Cell Vehicle Standard and Test Evaluation	Senior Expert from Toyota
16	Safety and Technical Requirements of Fuel Cell Vehicles for Hydrogen Storage Systems	FORVIA
17	Directions and Thoughts on Quality Control of Hydrogen for Fuel Cell Vehicles	<b>Zhongjun HOU</b> , Deputy General Manager, SHPT
18	Thoughts on related standards of fuel cell vehicles	TBD
Closed-Door Meeting (16:15-18:00)		
19	<b>Discussion on the Framework of IHFGA International Standard System</b> <b>Discussion on IHFGA International Standard Expert Committee</b>	
Note: This is a preliminary agenda. The conference schedule is subject to actual invitation.		



Attachment 2

**2023 International Hydrogen and Fuel Cell Standards Summit**

**Registration Form**

**2023 国际氢能与燃料电池标准峰会**

**参会回执**

Name 姓名				
Gender 性别				
Institution 单位				
Job Title 职务				
Phone 手机号码				
Email 邮箱地址				
Free Beyond EXPO Pass (Worth 699 yuan)  是否需要 Beyond EXPO 免费参会礼 遇 (价值 699 元)				

\*Registration is free, there is no limit to the number of attendees for each member institution.

\*免费参会，同一会员单位可多人报名。



## “氢洁世界，标准护航”

### 2023 国际氢能与燃料电池标准峰会

#### 邀请函

尊敬的业界同仁：

氢能是替代传统化石能源的重要选择，也是实现全球碳中和的重要途径。在碳中和目标驱动下，发展氢能和燃料电池汽车已成为全球共识。氢能与燃料电池汽车领域体系化标准建立将为该领域高效率、高质量、高安全的发展保驾护航。

2023 年 1 月，经国际标准化组织（ISO）的审议通过，国际氢能燃料电池协会（IHFCA）正式成为 ISO Technical Committee 197（Hydrogen technologies）的 A 类联络组织（Category A Liaison Organization），这标志着 IHFCA 在氢能标准国际化方面又迈出了重要的一步。

国际氢能燃料电池协会致力于开展国际氢能标准制、修订工作，主要涵盖氢能、燃料电池和燃料电池汽车等方面，搭建参与国际标准化工作的国际合作和交流平台，促进会员及其所在国或地区与 ISO 的交流合作，不断提升氢能和燃料电池汽车产业的标准化水平，促进氢能与燃料电池汽车产业的健康发展。

国际氢能燃料电池协会将于 2023 年 5 月 11 日在“Beyond EXPO”重义科技大会期间举行主题为“氢洁世界，标准护航”的国际氢能与燃料

电池标准峰会，共同推动氢能与燃料电池汽车产业国际标准制定与认证，提升标准的一致性，实现产业共赢。

在此，我们诚挚地邀请您参与本次峰会，期待与您一起推动国际氢能与燃料电池标准发展！

请各参会单位于 2023 年 4 月 26 日之前将附件 2 参会回执发送邮件至 [ihfca@ihfca.net](mailto:ihfca@ihfca.net)，谢谢！

会议联系人：

邹薇

邮箱：weizou@ihfca.net

电话：173 1008 0791

附件 1：“氢洁世界，标准护航” 2023 国际氢能与燃料电池标准峰会初步议程

附件 2：“氢洁世界，标准护航” 2023 国际氢能与燃料电池标准峰会参会回执

秘书处

国际氢能燃料电池协会

2023 年 4 月 23 日





附件 1:

## “氢洁世界，标准护航” 2023 国际氢能与燃料电池标准峰会 初步议程

一、时间地点：中国澳门

5 月 10 日报到，5 月 11 日会议日，5 月 12 日结束

二、大会规模：200 人

三、大会主题：

“氢洁世界，标准护航”

四、会议名称：

国际氢能与燃料电池标准峰会-Beyond Week 系列活动

五、组织机构

主办单位：国际氢能燃料电池协会

联合主办：澳门科技总会、澳门科协

支持单位：澳门贸易投资促进局、澳门大学

特别鸣谢：澳门银河

六、大会活动（5 月 11 日）：工作语言英语

上午部分（9：30-12：30）		
主持人：王菊，国际氢能燃料电池协会秘书长		
致辞（9：30-9：40）		
1	致辞	待定
主题演讲（9：40-12：30）		
2	院士主旨报告	陈清泉，中国工程院院士

3	院士主旨报告	待定
4	国际氢能产业标准体系现状和趋势	Tetsufumi IKEDA, 国际标准化组织氢能委员会主席 (邀请中)
5	国际氢能标准比较分析	国际组织负责人 (邀请中)
6	非洲绿氢发展现状及挑战	Siegfried Huegemann, 非洲氢能伙伴关系 (AHP) 秘书长 (邀请中)
<b>主持人: 汤田修事, 丰田汽车副总经理</b>		
7	绿氢国际认证助力碳中和目标	James LAYBOURN, 挪威船级社亚太区氢能负责人
8	廉价制氢技术与催化剂新发展: 原理, 工艺及应用	吕坚, 法国国家技术科学院院士, 讲座教授, 香港城市大学国家贵金属材料工程技术研究中心香港分中心主任
9	材料/催化剂研究成果	汤子康, 澳门大学应用物理及材料工程研究院院长
10	可再生能源制氢技术与标准体系	隆基氢能技术专家
11	电解水制氢新技术应用	待定
<b>午餐 (12: 30-14: 00)</b>		
<b>下午部分 (14: 00-18: 00)</b>		
<b>主持人: 陈卫, 国际氢能燃料电池协会副理事长</b>		
<b>主题演讲 (14: 00-16: 00)</b>		
12	中国氢能和燃料电池汽车产业标准化面临的机遇和挑战	鲍威, 中国标准化研究院氢能标准化技术委员会秘书长
13	氢储运装置安全性技术和管理规范	顾超华, 浙江大学能源工程研究院
14	加氢站安全设计和运营规范	曹东学, 中国石化集团公司高级专家
15	燃料电池汽车整车标准与测试评价	丰田汽车相关标准高级专家
16	燃料电池汽车对车载储氢系统的安全和技术要求	FORVIA, 佛吉亚集团
17	燃料电池汽车用氢品质管控方向与思考	侯中军, 上海捷氢科技有限公司副总经理
18	燃料电池汽车相关标准思考	待定
<b>闭门会议 (16: 15-18: 00)</b>		
19	IHFCA 标准体系框架讨论 IHFCA 标准委员会讨论	
注: 参会嘉宾和机构均为拟邀请, 会议日程以实际邀请为准。		

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