

Jointly Organized by (聯合主辦單位) :



Hong Kong Green Strategy Alliance
香港綠色策略聯盟



香港能源服務協會



Hong Kong Environmental
Industry Association
香港環保產業協會



S.T.A.R.S. FOUNDATION
可持續科技研策基金會

BUSINESS
ENVIRONMENT
COUNCIL
商界環保協會

《第四屆氫能經濟論壇》

THE 4TH HYDROGEN ECONOMY FORUM (HEF4)

27th October 2023 (Friday)

10:30am ~ 5:00pm HKT, GMT + 8 (Hybrid Event)

Meeting Rooms 201B & 201C, Level 2

AsiaWorld Expo, Chek Lap Kok, Hong Kong

2023年10月27日(星期五)

香港時間 上午 10:30 至 下午 5:00 (GMT+8)

香港大嶼山 香港國際機場

亞洲國際博覽館 2樓 會議室 201B 及 201C 室

Free of Charge (費用全免) / CPD Certificate available upon Request

[Languages of the Forum will be in **English** and **Putonghua**. No simultaneous translation will be provided)

[論壇將以英語和普通話為語言。不提供即時傳譯]

Synopsis 簡介

Being the 4th consecutive annual forum of the series since 2019, this “**Fourth Hydrogen Economy Forum**” (HEF4) is promised to be another premier event dedicated to the latest policy and technological developments for wider adoption of **Hydrogen (H₂)** in Hong Kong for obvious reasons of environmental friendliness and carbon neutrality. With the social and travel restrictions now lifted, **HEF4** will be held in hybrid mode (i.e., both physical attendance and virtual participation).

自 2019 年，《第四屆氫能經濟論壇》(HEF4)是第四次連續舉辦該系列的年度論壇，本屆論壇將成為另一個致力於最新政策和技術發展的重要活動，以促進香港更廣泛地採用**氫能(H₂)**，以達到環保和碳中和的目的。隨著社交和旅行限制的解除，**HEF4**將以線上線下混合模式舉行(即實體和虛擬同時進行)。

In view of the overwhelming responses in the past HEFs, **HEF4** has expanded from the former half-day programme to a **full-day** event. The Co-Organizers have invited key stakeholders in Hong Kong as well as those within the Greater Bay Area (GBA) and Mainland, sharing their experiences on policy directions, project implementation, success and constraints, cutting-edge technological achievements, pilot developments as well as many other related topics.

鑒於歷屆氫能論壇反應熱烈，**HEF4**已由原來的半天活動擴大為**全日活動**。協辦機構邀請了香港、大灣區和內地的主要持份者，分享他們在政策方向、項目實施、成功和制約因素、前沿科技成果、試點發展以及許多其他相關主題方面的經驗。



As in previous years, we are also very pleased to continue having the **Hong Kong Trade Development Council (香港貿易發展局)** as our **Event Partner**. We are delighted that **HEF4** continues to be an **Official Event** of the **Eco Expo Asia 2023**.



ECO Expo Asia
國際環保博覽
International Trade Fair on Environmental Protection

與往年一樣，我們也非常高興香港貿易發展局繼續成為我們的活動合作夥伴。我們很高興 **HEF4** 繼續成為 **2023 年國際環保博覽** 的官方活動。

Further, we are honored to have **Miss Diane WONG JP**, Under Secretary for Environment and Ecology of the HKSAR Government, as our **Guest of Honor** and **Ir Dr Hon LO Wai Kwok GBS, MH, JP** to deliver a Welcome Speech at **HEF4**, followed by presentations and sharing by more than ten (10) renowned experts in the field of H₂ applications.

此外，我們很榮幸邀請到**黃淑嫻女士 MH, JP**，香港特別行政區政府環境及生態局副局長為主禮嘉賓，與**盧偉國議員 博士 工程師 GBS, MH, JP** 在 **HEF4** 發表致辭，隨後有十多位氫能領域的知名專家發表演講和分享。

The event is completely free-of-charge, but the number of seats for both physical and virtual attendance are **limited** and will be given on a **first come-first-serve** basis. Please secure your seat by registering online at www.starsf.org/hef4 or by scanning the **QR Code** by **25th October 2023** (Wednesday). Joining instructions for virtual participation will be sent to successful applicants by email **one (1) day** before **HEF4**.



本活動是**完全免費**的，但線上或線下出席的座位數量有限，並將以**先到先得**的方式提供。請於**2023年10月25日** (星期三) 之前在 www.starsf.org/hef4 網上註冊或掃描二維碼以確保您的座位。線下參與的指示將在 **HEF4** 前一天通過電子郵件發送給成功申請者。

All participants will receive an electronic version of the forum booklet (**e-Forum Booklet**) containing the details of each speaker as well as abstracts of respective presentations and talks before **HEF4**. On approvals of individual speakers, the presentation files will also be uploaded on HKGSA's website (www.hkgsa.org) within fourteen days after **HEF4**. Continued Professional Development (CPD) certificates will be electronically distributed to participants upon request within four weeks after **HEF4**. Programme is tentatively only and is subject to change without notice on the date of the event. In case of questions, please email to events.hkgsa@gmail.com.

Please register quickly before very (very) limited spaces run out!

所有與會者都將收到**電子版的論壇小冊子**，其中包括每位演講者的詳細資料以及他們在 **HEF4** 之前的演講和演講摘要。經個別講者批准後，講者的演講 PPT 亦會於論壇舉行後十四天內上載至**香港綠色策略聯盟官網** (www.hkgsa.org)。持續專業發展 (CPD) 證書將在 **HEF4** 後四周內按要求以電子方式分發給參與者。活動日程暫定，如有更改，恕不另行通知。如有疑問，請發郵件至 events.hkgsa@gmail.com。

請在截止之前儘快註冊報名!

HEF4 Rundown / Morning Session (論壇流程 / 上午時段)

Time (時間)	Activity (環節)
10:30 - 10:40	Welcome Address (開幕致辭) Ir Dr Hon LO Wai Kwok (盧偉國 議員 博士 工程師) GBS, MH, JP Chairman, Hong Kong Green Strategy Alliance (香港綠色策略聯盟 主席)
10:40 - 10:50	Keynote Speech by the Guest of Honor (主禮嘉賓 主題演講) Miss Diane WONG (黃淑嫻 女士) JP Under Secretary for Environment and Ecology, HKSAR Government (香港特別行政區 環境及生態局 副局長)
10:50 - 10:52	Special Congratulatory Message (Pre-Recorded) (特別賀詞 (預錄)) Dr ZHANG Wei Dong (張衛東 博士) Assistant Resident Representative, Team Leader of People and Prosperity Pillar of UNDP China (聯合國開發計劃署 駐華代表處助理駐華代表 兼 民生與社會發展部主任)
10:52 - 11:00	Announcement on the Establishment of the Hong Kong Hydrogen Alliance (HKH2A) (宣佈「香港氫能聯盟」成立) Mr. Colin TAM (譚兆棟 先生) Chairman, HAESCO (香港能源服務協會 主席) Chairman of HKH2A Organizing Committee, Hong Kong Hydrogen Alliance (香港氫能聯盟 籌委會主席)
11:00 - 11:10	Group Photos 合影 (主禮嘉賓、主辦單位領導、演講嘉賓及 VIP 合照)
11:10 - 11:25	Topic 1: “Development & Trend of Hydrogen Industry in China” 主題一: 「中國氫能產業發展及趨勢」 Dr ZHANG Yan (張岩 博士) Director of the Industry Research Department, China Hydrogen Alliance (中國氫能聯盟中國氫能聯盟 研究院-產業研究部主任)
11:25 - 11:40	Topic 2: “Chinese Story of Energy Transition – Practices of Integrated Intelligent Energy” 主題二: 「能源轉型的中國故事 – 綜合智慧能源的實踐」 Madam ZHAO Fengyun (趙風雲 女士) President, Integrated Intelligent Energy Professional Committee China Electricity Technology Market Association (中國電力技術市場協會 綜合智慧能源專業委員會 會長)

HEF4 Rundown / Morning Session (論壇流程 / 上午時段)

Time (時間)	Activity (環節)
11:40 - 11:55	<p>Topic 3: “Build the World's Leading Zero-Carbon Industrial System with Hydrogen Technology” 主題三: 「以氫能科技打造全球領先的零碳工業體系」</p> <p style="text-align: right;">Dr WANG Xue (王雪 博士) Head, Hydrogen Energy Industrialization, Beijing Tsinghua Industrial R&D Institute & Head, R&D Application Department, International Hydrogen Energy Center (北京清華工業開發研究院 氫能業務主管, 國際氫能中心 應用研究中心主任)</p>
11:55 - 12:10	<p>Topic 4: “Towngas' Hydrogen Journey towards a Brighter Future” 主題四: 「煤氣氫能創未來」</p> <p style="text-align: right;">Mr. Simon NGO (敖少興 先生) Head of Engineering – H.K. Utility, The Hong Kong and China Gas Co. Limited (香港中華煤氣有限公司 工程總監 - 香港公用業務)</p>
12:10 - 12:25	<p>Topic 5: “Acceleration to Carbon Neutrality” 主題五: 「邁向碳中和」</p> <p style="text-align: right;">Mr. Thomas LUI (呂志偉 先生) Associate Director, Decarbonization Architecture, CLP Power Hong Kong Limited (中華電力有限公司 減碳構建 副總監)</p>
12:25 - 13:00	<p style="text-align: center;">Panel Discussion (am) 論壇討論環節 (上午)</p> <p style="text-align: center;">Moderator (主持人): Mr. Dominic YIN (尹德川 先生) Founding Chairman, HAESCO (香港能源服務協會 創會會長) Vice Chairman, Hong Kong Green Strategy Alliance (香港綠色策略聯盟 副主席)</p>
13:00 - 14:00	<p>Lunch Break (Self-Arranged / not included) (午餐/自理)</p>

HEF4 Rundown / Afternoon Session (論壇流程 / 下午時段)

Time	Activity
14:00 - 14:15	<p>Topic 6: “Status and Trends of Waste-to-Hydrogen” 主題六: 「廢物制氫的現狀和發展趨勢」</p> <p>Dr ZHANG Hanwei (張漢威 博士) Dean of Research Institute, Grandblue Environment Co., Limited (瀚藍環境股份有限公司 研究院 院長)</p>
14:15 - 14:30	<p>Topic 7: “The Roles and Status of Carbon Capture & Storage (CCS) Technologies in Green Hydrogen Economy” 主題七: 「碳捕獲與封存技術(CCS)在綠色氫能經濟的角色和現狀」</p> <p>Mr. Samuel TAM (譚兆錚 先生) Chief Technical Officer, EnerWaste Asia Pacific Limited (城智循環有限公司 首席技術官)</p>
14:30 - 14:45	<p>Topic 8: “SGS China Application and Development of Safety Standards for Hydrogen Equipment” 主題八: 「SGS 與中國氫能設備安全標準應用與發展」</p> <p>Mr. Ray ZHAO (趙洋銳 先生) Senior Business Officer – Hydrogen, SGS China (SGS 中國區 氫能高級業務發展官)</p>
14:45 - 15:00	<p>Topic 9: “Wisdom Motors – The Future of H₂ Vehicles” 主題九: 「威馳騰汽車 - 氫啟未來」</p> <p>Mr. Felix XU (許輝 先生) Chief Strategy Officer & Global Treasurer, Wisdom (Fujian) Motor Co., Limited (威馳騰 (福建) 汽車有限公司 首席戰略官、全球司庫)</p>
15:00 - 15:15	<p>Topic 10: “Let's Build a Better HK together - Promoting Sustainable Hydrogen Energy Development” 主題九: 「齊心建設更美好香港 - 推動可持續氫能發展」</p> <p>Mr. Anthony POON (潘建邦 先生) General Manager (Retail), Sinopec Hong Kong (中石化香港 零售總經理)</p>

HEF4 Rundown / Afternoon Session (論壇流程 / 下午時段)

Time	Activity
15:15 - 15:30	<p>Topic 11: “Type 4 Composite-overwrapped Pressure Vessels Based Hydrogen Storage for Mobility and Distribution” 主題十一: 「用於燃料電池電動汽車和氫內燃機汽車的 IV 型複合材料外纏繞壓力容器車載儲氫系統」</p> <p>Dr. Sergey ULYAKHIN (謝爾蓋 博士) Chief Technology Officer (China and Southeast Asia), Hexagon Purus (合斯康新能源 中國和東南亞 首席技術官)</p>
15:30 - 15:45	<p>Topic 12: “Hydrogen Value Chain Challenges & Solutions” 主題十二: 「氫能價值鏈挑戰及 TUV 萊茵解決方案」</p> <p>Mr. Rory MENG (孟昭瑞 先生) Vice General Manager, Asset Integrity Management, Industrial Services & Cybersecurity, TÜV Rheinland Hong Kong Ltd. (TUV 萊茵香港公司 產可靠性管理、工業服務和網路安全 副總經理)</p>
15:45 - 16:45	<p>Panel Discussion (pm) 論壇討論環節 (下午) Moderator (主持人): Mr. Dominic YIN (尹德川 先生)</p>
16:45 - 17:00	<p>Concluding Remarks (閉幕發言)</p> <p>Mr. Colin TAM (譚兆棟 先生) Member, Council for Carbon Neutrality and Sustainable Development HKSAR (香港特別行政區 碳中和及可持續發展委員會 委員) Chairman, HAESCO (香港能源服務協會 主席) Chairman, HEF4 Organizing Committee (第四屆氫經濟論壇籌委會 主席)</p>

Eco Expo Asia 2023



The **Fourth Hydrogen Forum** 《第四屆氫能經濟論壇會議》 is an official event of the **Eco Expo Asia 2023**, organized by the **Hong Kong Trade Development Council** (香港貿易發展局). All participants are encouraged to participate the **Eco Expo Asia 2023** which is a free-of-charge event at AsiaWorld-Expo (1 Airport Expo Boulevard, Chek Lap Kok, Lantau Island, Hong Kong).



Please visit www.hktdc.com/event/ecoexpoasia for more detailed information about **Eco Expo Asia 2023**.

《第四屆氫經濟論壇》是 2023 年國際環保博覽的官方活動，由香港貿易發展局主辦。歡迎所有參加者免費參加於亞洲國際博覽館 (香港大嶼山赤臘角機場博覽道 1 號) 舉行的“2023 年國際環保博覽”，有關詳情請瀏覽 www.hktdc.com/event/ecoexpoasia。

Organizing Committee of HEF4 (籌委會成員):

Chairman:	Mr. Colin TAM	Honorary Advisor:	Mr. Dominic YIN
Vice Chairman:	Ir Prof Daniel CHENG	Honorary Secretary:	Mr. Peter HO
Members:	Ir Louis CHAN (HKGSA)	Ir Kenny WONG (HKGSA)	
	Ir Jason LEUNG (HKGSA)	Mr. Patrick NG (HAESCO)	
	Mr. Simon CHEUNG (HAESCO)	Dr Ivan LI (HAESCO)	
	Mr. Ricky LAU (HAESCO)	Ms. Melody WU (HAESCO)	
	Ms. Regina LEI (HKEnvIA)	Mr. Joshua CHAK (STARS)	
	Mr. Merlin LAO (BEC)		

Supporting Organizations of HEF4 (in random order):



School of Energy and Environment

香港城市大學
City University of Hong Kong



THE HKUST ENERGY INSTITUTE

香港科大能源研究院



綠惜地球
THE GREEN EARTH



Asian
ENERGY
STUDIES CENTRE



hkpc
生產力局



Independent
Power Producers
Forum



GREEN COUNCIL
環保促進會



環境工業協會

Environmental Industries Council

Social Impact Investment Foundation

社會影響力投資基金會



Institution of
MECHANICAL
ENGINEERS

Hong Kong Branch

香港工業總會轄下 A FHKI Council



THE HONG KONG
INSTITUTION OF ENGINEERS
香港工程師學會

Environmental Division
環境分部



HONG KONG
WASTE MANAGEMENT ASSOCIATION
香港廢物管理學會



HKIQEP
香港環專會

HKiNED
香港獨立非執行董事協會
The Hong Kong Independent
Non-Executive Director Association

CIWEM
Chartered Institution of
Water and Environmental
Management
Hong Kong Branch

Notes on HEF4 (備註):

- i.) The Organizers are an **Event Partner** of the **Hong Kong Trade Development Council** (HKTDC), and this Conference is an official event of the **Eco Expo Asia 2023** organized by HKTDC. By registering for this Forum, the participants are aware and acknowledge, and have been provided with ample opportunity and choices to opt-out during registration, that HKTDC may use participants' information on voluntary basis for the purpose of trade development and business matching activities. The Organizers of this Conference accept no liability whatsoever, direct or consequential, as a result of the participants' enrolment in HKTDC's separately arranged activities."主辦單位為香港貿易發展局(香港貿發局)的活動合作夥伴，是香港貿發局主辦的“2023 亞洲生態博覽”的正式活動。報名參加是次論壇，即表示參加者知悉及明白香港貿發局可能會在自願的基礎上，使用參加者的資料作貿易發展及商業配對活動之用，並已在報名時獲得充分的機會選擇退出。對於參加者參加香港貿發局另行安排的活動，主辦機構不承擔任何直接或間接的責任。
- ii.) **CPD certificates**, upon request at initial registration, will be distributed electronically within four (4) weeks after the event via electronic means to the participant's provided email address at the time of registration. Further, the name shown on the CPD certificate will be identical to that entered during registration. 根據註冊時的要求，CPD 證書將在活動結束後的四(4)周內通過電子方式發送到參與者在註冊時提供的電子郵寄地址。此外，CPD 證書上顯示的名稱將與註冊時輸入的名稱相同。
- iii.) **Presentation materials and video recordings** may, upon approval of respective speakers after the Conference, be available. If so, separate announcement will be made after the event. It is therefore important that you enter a proper email address during initial registration so you can receive our updates.
會議結束後，經有關發言者批准，可提供演講材料和錄影。如有，將在活動結束後另行公告。因此，您在註冊時輸入正確的電子郵寄地址非常重要，這樣您就可以收到我們的更新。
- iv.) Registration deadline is **25th October 2023** at 6:00pm (HKT / GMT + 8). Late registrations will not be processed. Any questions shall be sent to events.hkgsa@gmail.com.
報名截止日期為 2023 年 10 月 25 日下午 6 點(HKT / GMT+8)，逾期報名將不予受理。如有任何問題，請發送至 events.hkgsa@gmail.com。