

New Journey Electric Vehicle Revolution

Strengthening Electrification & Advancing Intelligence

電動汽車革命新征程

夯實電動化 推進智能化

23.10.2025 Hong Kong 香港



粵港澳大灣區院士聯盟
The Greater Bay Area
Association of Academicians

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ABOUT THE FORUM

論壇簡介

The global transition to electric mobility is at a pivotal juncture, presenting unprecedented opportunities alongside complex challenges in technology, infrastructure, sustainability, and policy. Recognising the critical role of collaboration in accelerating this transformation, the Greater Bay Area Association of Academicians (GBAAA) is convening this flagship forum, bringing together the world's foremost academic minds, visionary industry leaders, and influential policymakers.

This forum aims to address the new journey of the electric vehicle revolution, including strengthening electrification, advancing intelligence and internet connection, and friendly interaction between electric vehicles and power grids, as well as between electric vehicles and internet clouds.

Our aim is to advance from intelligent connected vehicles to intelligent transportation, smart cities, and ultimately an intelligent society-realising the vision that "Mobility is Freedom, Mobility is Happiness." We are truly excited to be engaged with a programme that will profoundly shape the future of our society and enhance the well-being of generations to come.

全球向電動出行的變革正處於關鍵時刻，在技術、基礎設施、可持續性和政策方面面臨複雜挑戰的同時，也帶來了前所未有的機遇。粵港澳大灣區院士聯盟（「聯盟」）深刻認識到，協同合作對加速此輪變革至關重要。際此，聯盟特召集本次旗艦論壇，匯聚全球頂尖學者、富有遠見的行業領袖及具有影響力的政策制定者等各界賢達。

本次論壇將聚焦電動汽車革命的新征程，重點探討以下關鍵領域：深化電動化發展、推動智能化與網聯化升級、促進車網雙向互動、加強車雲互聯互通。

我們旨在以此為契機，攜手繪就從智能網聯汽車到智能交通、智能城市，乃至智能社會的宏偉藍圖，最終實現「出行即自由，出行即幸福」的崇高願景。能參與這項功在當代、利在千秋的偉大事業，我們深感榮幸與振奮。

PROGRAM

議程

🕒	8:30 - 8:50	Registration 簽到注冊
🕒	9:00 - 9:30	Welcome Remarks 歡迎致辭 Nancy Y. IP Academician, Chinese Academy of Sciences Chair, The Greater Bay Area Association of Academicians President, The Hong Kong University of Science and Technology 葉玉如 中國科學院院士 粵港澳大灣區院士聯盟主席 香港科技大學校長 Opening Remarks 開幕致辭 GE Ming Acting Permanent Secretary for Innovation, Technology and Industry, The Government of the Hong Kong Special Administrative Region 葛明 香港特別行政區政府署理創新科技及工業局常任秘書長 Opening Remarks 開幕致辭 CHEN Xue-Dong Academician, Chinese Academy of Engineering Vice President, China Association for Science and Technology (CAST) 陳學東 中國工程院院士 中國科學技術協會副主席
🕒	9:30 - 9:50	Keynote Speech: New Journey of Electric Vehicle Revolution 主旨演講: 電動汽車革命的新征程 C.C. CHAN Academician, Chinese Academy of Engineering Fellow, Royal Academy of Engineering, U.K. Co-Founder, The Greater Bay Area Association of Academicians Distinguished Chair Professor of Electric Vehicles and Smart Energy, The Hong Kong Polytechnic University 陳清泉 中國工程院院士 英國皇家工程院院士 粵港澳大灣區院士聯盟聯合創始人 香港理工大學電動汽車與智慧能源特聘講座教授

Thematic Session 1: Recent Advances in Electric Mobility 專題討論會一: 電動汽車的最新進展		
🕒	9:50 - 10:05	Invited Talk: BMW's Journey to Future Mobility 特邀演講: 寶馬駛向未來出行的征程 Sean GREEN President and CEO, BMW Group Region China 高翔 寶馬集團大中華區總裁兼首席執行官
🕒	10:05 - 10:20	Invited Talk: Linking Global Intelligent Electricity, Co-drawing a New Chapter in Mobility 特邀演講: 鏈動全球智電，共繪出行新篇 YIN Tong-Yue Chair, Chery Automobile Co., Ltd. 尹同躍 奇瑞汽車股份有限公司董事長
🕒	10:20 - 10:35	Coffee break 茶歇
🕒	10:35 - 10:50	Invited Talk: Empowering the Intelligent Connected NEV Industry with AI and Digital Intelligence for High-Quality Growth 特邀演講: AI賦能，數智驅動，引領智能網聯新能源汽車產業高質量發展 HUANG Zhong-Qiang Chief Expert, Chongqing Changan Automobile Co., Ltd. Chair, Chongqing Automotive Engineering Society 黃忠強 重慶長安汽車股份有限公司首席專家 重慶汽車工程學會理事長
🕒	10:50 - 11:05	Invited Talk: Innovation in Action: Powering the Global EV Transition with Premium New Energy Technologies 特邀演講: 創新驅動：高質量新能源技術，助力全球電動化新征程 REN Xiang-Fei Chief Engineering & Technology Scientist and Executive Vice-President, Geely Research Institute 任向飛 吉利汽車首席工程技術科學家兼研究院常務副院長

11:05 - 11:45

Panel Discussion 1: Electrified, Intelligent and Connected Electric Vehicles

小組討論一: 電動汽車的電氣化、智能化與網聯化

Moderator:

Christopher CHAO

Senior Vice President (Research and Innovation) and Chair Professor of Thermal and Environmental Engineering, The Hong Kong Polytechnic University

Panelists:

Sean GREEN

President and CEO, BMW Group Region China

HUANG Zhong-Qiang

Chief Expert, Chongqing Changan Automobile Co., Ltd.

Chair, Chongqing Automotive Engineering Society

REN Xiang-Fei

Chief Engineering & Technology Scientist and Executive Vice-President, Geely Research Institute

主持:

趙汝恒

香港理工大學高級副校長（研究及創新）、熱能及環境工程講座教授

成員:

高翔

寶馬集團大中華區總裁兼首席執行官

黃忠強

重慶長安汽車股份有限公司首席專家

重慶汽車工程學會理事長

任向飛

吉利汽車首席工程技術科學家兼研究院常務副院長

11:45 - 13:30

Lunch Break

午休

Thematic Session 2: Power Trains, Batteries and Hydrogen

專題討論會二: 動力系統、電池與氫能

13:30 - 13:45

Invited Talk: Electric Vehicle Induction Motor Drive and V2G

特邀演講: 電動汽車感應電機驅動與車聯網技術（V2G）

James L. KIRTLEY JR.

Member, U.S. National Academy of Engineering

Professor of Electrical Engineering, Post Tenure, Massachusetts Institute of Technology

美國國家工程院院士

麻省理工學院電機工程系終身教授

13:45 - 14:00

Invited Talk: Challenges and Innovations in Electric Powertrains for Electric Vehicles

特邀演講: 電動汽車電動力系統的挑戰與創新

Zi-Qiang ZHU

Fellow, Royal Academy of Engineering

Head of Electrical Machines and Power Group, University of Sheffield

諸自強

英國皇家工程院院士

謝菲爾德大學電機與驅動研究團隊負責人

14:00 - 14:15

Invited Talk: The Iterative Development of EV Battery Technology

特邀演講: 動力電池技術的迭代開發

HUANG Xue-Jie

Professor, Institute of Physics, Chinese Academy of Sciences

Deputy Director, Songshan Lake Material Laboratory

黃學杰

中國科學院物理研究所教授

松山湖材料實驗室副主任

14:15 - 14:30

Invited Talk

特邀演講

SHI Jian-Peng

Deputy Chief Engineer, Dongfeng Motor Corporation

史建鵬

東風汽車集團有限公司副總工程師

14:30 - 14:45

Invited Talk: Advancing Fuel Cell Electric Vehicles & H2 Infrastructure-Overcoming Challenges in Scaling Hydrogen Systems

特邀演讲: 推進燃料電池電動汽車與氫能基礎設施——氫能系統規模化的挑戰與突破

Myron GRAW

Executive Director, Intelligent Production Systems, INC Innovation Center

INC創新中心智能生產系統執行總監

14:45 - 15:25

Panel Discussion 2: Advances in Power Trains, Batteries, Hydrogen, and Their Relationship

小組討論二: 動力系統、電池、氫能的進展及其相關性

Moderator:

K.T. CHAU

Chair Professor of Electrical Energy Engineering, The Hong Kong Polytechnic University

Panelists:

James L. KIRTLEY JR.

Member, U.S. National Academy of Engineering

Professor of Electrical Engineering, Post Tenure, Massachusetts Institute of Technology

Zi-Qiang ZHU

Fellow, Royal Academy of Engineering

Head of Electrical Machines and Power Group, University of Sheffield

HUANG Xue-Jie

Professor, Institute of Physics, Chinese Academy of Sciences

Deputy Director, Songshan Lake Material Laboratory

SHI Jian-Peng

Deputy Chief Engineer, Dongfeng Motor Corporation

Myron GRAW

Executive Director, Intelligent Production Systems, INC Innovation Center

主持:

鄒國棠

香港理工大學電能工程講座教授

成員:

James L. KIRTLEY JR.

美國國家工程院院士

麻省理工學院電機工程系終身教授

	諸自強 英國皇家工程院院士 謝菲爾德大學電機與驅動研究團隊負責人
	黃學杰 中國科學院物理研究所教授 松山湖材料實驗室副主任
	史建鵬 東風汽車集團有限公司副總工程師
	Myron GRAW INC創新中心智能生產系統執行總監

 **15:25 - 15:40** **Coffee Break** 茶歇

Thematic Session 3: Electric Vehicles’ Interaction with Power Grids and Clouds

專題討論會三：電動汽車與電網及雲端的交互

	15:40 - 15:55 Invited Talk: Ultra-fast Charging and Ubiquitous Infrastructure 特邀演講: 超快充電與無處不在的基礎設施 Don TAN Member, U.S. National Academy of Engineering IEEE Technical Activities Vice President-Elect 2025 譚東方 美國國家工程院院士 IEEE 2025年技術活動當選副主席
	15:55 - 16:10 Invited Talk: Newton's Three Laws of Cyberspace for Safeguarding Sovereignty, Security and Privacy in the Space-Terrestrial Integrated Intelligent Connected Vehicles Network 特邀演講: 保障天地一體化智能網聯主權、安全與隱私之網空牛頓三定律 LI Hui Chief Information Scientist, IASTIC Academician, National Academy of Artificial Intelligence (Academician of NAAI) Professor Emeritus, Peking University 李揮 國際院士科創中心首席信息科學家 美國國家人工智能研究院院士 北京大學榮休教授
	16:10 - 16:25 Invited Talk: Zero-Emission Drive: The Road to Carbon-Neutral Mobility 特邀演講: 零排放驅動：通往碳中和出行之路 Kenji MORITA Senior Expert, Electric System Research Group, Environment Research Division, Japan Automobile Research Institute (JARI) 森田賢治 日本自動車研究所（JARI）環境研究部電力系統研究組高級專家

	16:25 - 16:40 Invited Talk 特邀演講 YANG Han-Bing Honorary Professor, Southeast University CEO, CATL-CAIT 楊漢兵 東南大學榮譽教授 寧德時代（上海）智能科技有限公司首席執行官
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	16:40 - 16:55 Invited Talk: Energy Revolution and Zero-Carbon Transportation 特邀演講: 能源革命與零碳交通 ZHANG Jie Vice President and General Secretary, Energy Investment Professional Committee (EIPC) of the Investment Association of China (IAC) 張杰 中國投資協會能源投資專業委員會副會長兼秘書長
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	16:55 - 17:25 Panel Discussion 3: How Electric Vehicles Can Friendly Shake Hands with Power Grids and Clouds 小組討論三：電動汽車如何與電網及雲端進行友好互動與協同 Moderator: Don TAN Member, U.S. National Academy of Engineering IEEE Technical Activities Vice President-Elect 2025 Panelists: LI Hui Chief Information Scientist, IASTIC Academician, National Academy of Artificial Intelligence (Academician of NAAI) Professor Emeritus, Peking University Kenji MORITA Senior Expert, Electric System Research Group, Environment Research Division, Japan Automobile Research Institute (JARI) ZHANG Jie Vice President and General Secretary, Energy Investment Professional Committee (EIPC) of the Investment Association of China (IAC) 主持: 譚東方 美國國家工程院院士 IEEE 2025年技術活動當選副主席 成員: 李揮 國際院士科創中心首席信息科學家 美國國家人工智能研究院院士 北京大學榮休教授 森田賢治 日本自動車研究所（JARI）環境研究部電力系統研究組高級專家 張杰 中國投資協會能源投資專業委員會副會長兼秘書長
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17:25 - 17:30 Closing Remarks 閉幕致辭

Jin-Guang TENG

Academician, Chinese Academy of Sciences

Vice Chair, The Greater Bay Area Association of Academicians

President, The Hong Kong Polytechnic University

滕錦光

中國科學院院士

粵港澳大灣區院士聯盟副主席

香港理工大學校長

17:30 End of the Forum 論壇結束

OFFICIATING GUESTS

主禮嘉賓

CHEN Xue-Dong

Academician of the Chinese Academy of Engineering

Vice President of the China Association for Science and Technology

陳學東

中國工程院院士

中國科學技術協會副主席



GE Ming

Acting Permanent Secretary for Innovation, Technology and Industry,
The Government of the Hong Kong Special Administrative Region

葛明

香港特別行政區政府署理創新科技及工業局常任秘書長



Nancy Y. IP

Academician of the Chinese Academy of Sciences

Chair of The Greater Bay Area Association of Academicians

President of The Hong Kong University of Science and Technology

葉玉如

中國科學院院士

粵港澳大灣區院士聯盟主席

香港科技大學校長



Jin-Guang TENG

Academician of the Chinese Academy of Sciences

Vice Chair of The Greater Bay Area Association of Academicians

President of The Hong Kong Polytechnic University

滕錦光

中國科學院院士

粵港澳大灣區院士聯盟副主席

香港理工大學校長



SPEAKERS

演講嘉賓

(Listed in alphabetical order by their last name 按姓氏字母順序排列)



C.C. CHAN

Academician, Chinese Academy of Engineering

Fellow, Royal Academy of Engineering, U.K.

Co-Founder, The Greater Bay Area Association of Academicians

Founder, International Academicians Science & Technology Innovation Centre

Founder, World Electric Vehicle Association

Distinguished Chair Professor of Electric Vehicles and Smart Energy, The Hong Kong Polytechnic University

Honorary Professor, The University of Hong Kong

陳清泉

中國工程院院士

英國皇家工程院院士

粵港澳大灣區院士聯盟聯合創始人

國際院士科創中心創始人

世界電動汽車協會創始人

香港理工大學電動汽車與智慧能源特聘講座教授

香港大學榮譽教授

Prof. C.C. Chan GBS holds BSc, MSc, PhD, HonDSc, HonDTech degrees. Distinguished Chair Professor & Director of Research Centre for Electric Vehicles of the Hong Kong Polytechnic University, Honorary Professor of the University of Hong Kong. Founder of International Academicians Science and Technology Innovation Centre. Visiting Professor of MIT, UC Berkeley, University of Cambridge, etc. Founding President of the World Electric Vehicle Association. Senior Consultant to governments, academia and industries. Academician of Chinese Academy of Engineering, Fellow of Royal Academy of Engineering, U.K., Fellow of Ukraine Academy of Engineering Sciences, Honorary Fellow of Hungarian Academy of Engineering, Life Fellow of IEEE, Fellow of IET, and Honorary Fellow of HKIE. Recipient of the Royal Academy of Engineering Prince Philip Medal, Chinese Academy of Engineering Guang-Hua Prize, World Federation of Engineering (WFEO) Medal of Engineering Excellence, Gold Bauhinia Star Medal of the Hong Kong Special Administrative Region Government, Gold Medal of Hong Kong Institution of Engineers, IEEE Transportation Technologies Award, “Father of Asian Electric Vehicles” by Magazine Global View. Awarded as the 2022 Touching Chinese Character, 2025 Global Chinese Award. His major research field includes the philosophy and key technologies of electric vehicles and intelligent energy systems. He published 17 books, over 450 technical papers and holds 10 patents.

陳清泉1997年獲選中國工程院院士、為香港首位中國工程院院士，前後獲選英國皇家工程院院士、匈牙利工程院榮譽院士、烏克蘭工程院院士、香港工程科學院院士暨高級顧問。現任香港理工大學傑出講座教授、香港大學榮譽教授。歷任美國麻省理工學院、加州大學伯克利分校、英國劍橋大學客座教授，政府科技顧問，跨國公司科技戰略顧問等，世界電動車協會創始暨輪值主席、國際院士科創中心創始人。榮獲英國皇家工程院菲利普親王勳章、中國工程院光華工程獎、香港特區政府銀紫荊勳章、感動中國2022年度人物、2025影響世界華人大獎等榮譽、被譽為亞洲電動汽車之父。



Christopher CHAO

Senior Vice President (Research and Innovation) and Chair Professor of Thermal and Environmental Engineering, The Hong Kong Polytechnic University

趙汝恒

香港理工大學高級副校長(研究及創新)、熱能及環境工程講座教授

Ir Prof. Christopher Chao is Senior Vice President (Research and Innovation), Chair Professor of Thermal and Environmental Engineering, and Director of Policy Research Centre for Innovation and Technology of The Hong Kong Polytechnic University (PolyU). He is responsible for leading the formulation and execution of the strategic development of research and innovation, knowledge transfer and entrepreneurship activities at PolyU. As an accomplished scholar in thermal and environmental engineering, Prof. Chao has published extensively in leading journals and has an excellent track record in securing external research grants. He has been making unwavering contributions to the professional community and the HKSAR Government. He is currently the Chairman of Sir Edward Youde Memorial Fund Council, a member of the Research Strategy Expert Group of the Chief Executive's Policy Unit, Board of Directors of the Hong Kong Applied Science and Technology Research Institute, Board of Directors of the Hong Kong Cyberport Management Company Limited, and Council of the Hong Kong Logistics and Supply Chain MultiTech R&D Centre. He is also a Senior Vice President of the Hong Kong Academy of Engineering.

Prof. Chao received his BSc(Eng) degree in Mechanical Engineering (First Class) from The University of Hong Kong (HKU) and obtained his MS and PhD degrees in Mechanical Engineering from the University of California, Berkeley. He was Dean of Engineering and Chair Professor of Mechanical Engineering at The University of Hong Kong from 2018 to 2021. Before that he was Head and Chair Professor of Mechanical and Aerospace Engineering at the Hong Kong University of Science and Technology.

趙汝恒教授為香港理工大學高級副校長（研究及創新）、熱能及環境工程講座教授和科技及創新政策研究中心主任，主管大學在研究與創新、知識轉移和創業方面的策劃和發展工作。趙教授是一位優秀的熱能與環境工程領域學者，也是多個主要專業組織的院士，包括香港工程院。他在發表期刊論文和爭取科研資助方面具卓越表現。趙教授目前在多個機構中擔任重要職務，包括尤德爵士紀念基金理事會主席、特首政策組研究策略專家組成員、香港應用科技研究院董事、香港數碼港管理有限公司董事，以及香港物流及供應鏈多元技術研發中心理事。他還擔任香港工程院高級副院長。

趙教授以一級榮譽成績取得香港大學機械工程學士學位，並在美國加州大學柏克萊分校取得碩士和博士學位。2018至2021年間，他出任香港大學工程學院院長及機械工程學講座教授。此前曾任香港科技大學機械及航空航天工程學系系主任及講座教授。



K.T. CHAU

Chair Professor of Electrical Energy Engineering, The Hong Kong Polytechnic University

鄒國棠

香港理工大學電能工程講座教授

Professor K.T. Chau received his B.Sc. (Eng.) degree with First Class Honours, M.Phil. degree, and Ph.D. degree all in Electrical and Electronic Engineering from the University of Hong Kong (HKU). He worked at HKU for 28 years, with various positions including the Director of International Research Centre for Electric Vehicles, Associate Dean of Engineering and Head of Department of Electrical and Electronic Engineering. Starting from June 2023, he serves as Chair Professor of Electrical Energy Engineering at the Department of Electrical Engineering in the Hong Kong Polytechnic University (PolyU). He is a Chartered Engineer (CEng), Fellow of the Institution of Engineering and Technology (FIET), and Fellow of the Hong Kong Institution of Engineers (FHKIE). He is elected Fellow of the Institute of Electrical and Electronics Engineers (FIEEE) for Contributions to Energy Systems for Electric and Hybrid Vehicles. His research interests are focused on Electrical Energy Engineering, with emphasis on Electric and Hybrid Vehicles, Renewable Energy Systems, and Power Electronics & Drives. Currently, he serves as Editor of the Studies in Science and Technology, and Section Editor-in-Chief of the Energies. Professor Chau has published 9 books, 10 book chapters, over 400 refereed journal papers and over 380 international conference papers. He has received the Chang Jiang Chair Professorship by the Ministry of Education, China, and the Environmental Excellence in Transportation Award for Education, Training and Public Awareness by the Society of Automotive Engineers (SAE) International. He has also been honoured the IEEE Vehicular Technology Society (VTS) Distinguished Lecturer and Distinguished Speaker.

鄒國棠教授於香港大學（HKU）獲得電機及電子工程學士（一級榮譽）、哲學碩士及哲學博士學位。他在港大任職達28年，曾擔任多個重要職位，包括國際電動車研究中心主任、工程學院副院長及電機電子工程系系主任。自2023年6月起，他出任香港理工大學（PolyU）電機工程學系電能工程講座教授。他是註冊工程師（CEng）、英國工程與技術學會會士（FIET）及香港工程師學會會士（FHKIE）。他亦獲選為美國電機電子工程師學會（IEEE）會士（FIEEE），以表彰其對電動及混合動力車輛能源系統的貢獻。他的研究興趣集中於電能工程，特別是電動及混合動力車輛、可再生能源系統，以及電力電子與驅動技術。目前，他擔任《科學與技術研究》期刊編輯，以及《Energies》期刊專欄主編。鄒教授已出版9本專著、10篇書籍章節、逾400篇經審查的期刊論文及超過380篇國際會議論文。他曾獲中國教育部頒授「長江學者講座教授」稱號，並獲國際汽車工程師學會（SAE International）頒發「交通環保卓越獎（教育、培訓與公眾認知）」。此外，他亦獲IEEE車輛技術學會（VTS）授予「傑出講師」及「傑出演講者」榮譽。



Myron GRAW

Executive Director, Intelligent Production Systems, INC Innovation Center

INC創新中心智能生產系統執行總監

Myron GRAW has 15 years of experience in consulting on new technologies, process optimization & diversification for companies in Europe, USA and Asia. He also possesses extensive experience in consulting on strategy and innovation, along with supporting implementation in automotive, electronics, machine tool, steel, and consumer goods industries. Furthermore, he has led several consortium and bilateral projects focusing on the potentials of additive manufacturing, Industry 4.0, and Data Analytics with over 250 participating companies overall. He is the head of a consulting operations division with over 30 employees and is responsible for the establishment and executive management of an Innovation Center focusing on the industrialization of solutions for the hydrogen economy.

Myron GRAW是一位資深的跨國諮詢專家，擁有長達15年的行業經驗，深諳新技術、流程優化與業務多元化之道，服務網絡覆蓋歐洲、美國及亞洲企業。其在汽車、電子、機床、鋼鐵與消費品行業不僅提供戰略與創新諮詢，更致力於推動方案的有效實施。此外，他曾牽頭負責多個探索增材製造、工業4.0與數據分析應用潛力的聯盟及雙邊項目，所有項目累計參與企業超過250家。他是諮詢運營部門的負責人，員工超過30名，並負責建立並全面管理一個專注於氫經濟解決方案產業化的創新中心。



Sean GREEN

President and CEO, BMW Group Region China

高翔

寶馬集團大中華區總裁兼首席執行官

Sean Green currently serves as President and CEO of BMW Group Greater China, having assumed the role in November 2023. He began his career with BMW UK in 1988 and has accumulated over 35 years of extensive experience within the BMW Group. Since February 2014, when he was appointed Vice President of MINI China, he has been deeply engaged in the Chinese market for approximately 12 years.

高翔（Sean Green）現任寶馬集團大中華區總裁兼首席執行官，於2023年11月正式就任。他自1988年加入寶馬英國，在寶馬集團擁有超過三十五年的豐富經驗。自2014年2月起出任MINI中國區副總裁，至今已在中國市場深耕約十二年。



HUANG Xue-Jie

Professor, Institute of Physics, Chinese Academy of Sciences

Deputy Director, Songshan Lake Material Laboratory

黃學杰

中國科學院物理研究所教授

松山湖材料實驗室副主任

Prof. Xuejie Huang is currently a professor at the Institute of Physics, Chinese Academy of Sciences (CAS). He is also the Deputy Director of the Songshan Lake Materials Laboratory, and Chairman of the Editorial Board for Energy Storage Science and Technology (CNKI, Scopus). Additionally, he serves as an expert in the overall group of the National Key R&D Program of New Energy Vehicles and the vice president of the China Battery Industrial Association.

His primary focus lies in the research of secondary lithium batteries and their related materials, process technologies, and equipments. He has published over 300 academic papers in international scientific journals and holds more than 100 patents.

黃學杰，現任中國科學院物理所研究員，兼任松山湖材料實驗室副主任，《儲能科學與技術》編委會主任，國家重點研發計劃新能源汽車重點專項總體組專家，中國電池工業協會副會長。他主要專注於二次鋰電池及其相關材料、工藝技術和設備的研究。已發表學術論文300余篇，獲得授權發明專利100余項。



HUANG Zhong-Qiang

Chief Expert, Chongqing Changan Automobile Co., Ltd.
Chairman, Chongqing Automotive Engineering Society

黃忠強

重慶長安汽車股份有限公司首席專家
重慶汽車工程學會理事長

Huang Zhongqiang is a seasoned expert and leading figure in China's automotive industry. He currently serves as Chief Expert of Changan Automobile and Chairman of the Chongqing Automotive Engineering Society.

Since graduating from university, Huang has devoted his 36-year career to Changan Automobile. He has long been engaged in the fields of automotive technology, quality, manufacturing, and procurement, and has held a number of key positions, including General Manager of Quality, Assistant President, and Executive Vice President at Changan. With extensive industry expertise and proven leadership, he has made significant contributions to the company's growth and transformation.

Huang is among the select group of leaders who have been deeply involved in Changan's "three transformations." In the first transformation, he promoted the full implementation of international processes within joint ventures, strengthened partnerships with global automakers, and achieved record performance. In the second transformation, he spearheaded the introduction of world-class manufacturing systems at Changan, enabling the company to expand rapidly and enhance its competitiveness. In the third transformation, he has played a pivotal role in advancing Changan's transition and innovation in electrification and intelligent connected vehicles, enabling the company to take a leading position in these critical fields.

Leveraging his profound expertise, visionary outlook, and seasoned leadership, Huang continues to lead Changan in advancing electrification and intelligent mobility, making notable contributions to the high-quality evolution of China's automotive sector.

黃忠強先生，現任重慶長安汽車股份有限公司首席專家、重慶汽車工程學會理事長，是中國汽車工業領域的資深專家和領軍人物。

黃忠強先生自大學畢業以來一直在長安汽車，從業汽車工作36年。長期致力於汽車產業技術、質量、製造、採購等領域，歷任長安汽車質量部長、總裁助理、執行副總裁等重要職務，擁有豐富的行業經驗與優秀的管理能力。

黃忠強先生是長安汽車全程經歷「三次創業」的極少數精英骨幹之一。在第一次創業時期，他在合資企業全面推行外資企業體系流程，加強加深外資合作，取得了合資企業歷史新高。在第二次創業時期，他積極推動世界先進汽車製造體系，在長安汽車落地開花，極大地推動長安汽車做大做強。在第三次創業時期，他全面參與並推動長安汽車在新能源智能網聯汽車領域的轉型與創新實踐，助力長安汽車在此賽道領跑。

黃忠強先生以其深厚的專業積澱、前瞻的技術視野和豐富的管理經驗，持續引領長安汽車在智能化、電動化浪潮中創新發展，為中國汽車產業的高質量升級做出了重要貢獻。



James L. KIRTLEY JR.

Member, U.S. National Academy of Engineering
Professor of Electrical Engineering, Post Tenure,
Massachusetts Institute of Technology
美國國家工程院院士
麻省理工學院電機工程系終身教授

James L. Kirtley Jr. is Professor of Electrical Engineering, post tenure, at the Massachusetts Institute of Technology. He joined the faculty of MIT in 1971 as Assistant Professor, was Associate Professor from 1977 to 1994, Professor from then until 2020, when he became Professor, Post Tenure.

In 1974 and 1975, he was with General Electric, Large Steam Turbine Generator Department, as an Electrical Engineer, and from 1998 to 2000, he was with Satcon Technology Corporation as Vice President and General Manager of the Tech Center. Dr Kirtley was Gastdozent at the Swiss Federal Institute of Technology, Zürich (ETH).

Dr. Kirtley attended MIT as an undergraduate and received the degree of Ph.D. from MIT in 1971.

Dr. Kirtley is a specialist in electric machinery and electric power systems. Most of his research activities have been in developing design methodologies for induction, permanent magnet synchronous and variable reluctance motors. He has also been involved in shipboard propulsion and power systems and terrestrial microgrids.

Dr. Kirtley served as Editor in Chief of the IEEE Transactions on Energy Conversion from 1998 to 2006. He chaired the International Conference on Electric Machines in 1990 and was Program Chair of the International Electric Machines and Drives Conference in 2001.

Dr. Kirtley was made a Fellow of IEEE in 1990. He was awarded the IEEE Third Millennium medal in 2000 and the Nikola Tesla prize in 2002. Dr. Kirtley was elected to the United States National Academy of Engineering in 2007. He is a Registered Professional Engineer in Massachusetts.

Dr. Kirtley is author of the textbook Electric Power Principles, published by Wiley, and is co-author, with H. Wayne Beaty, of the Electric Motor Handbook, published by McGraw-Hill. He is author or co-author of over 100 journal papers and over 100 conference presentations. He also has 24 patents.

James L. Kirtley Jr.為麻省理工學院（MIT）電機工程系終身教授。於1971年以助理教授身分加入MIT，1977-1994年任副教授，1995-2020年任教授，並自2020年起轉為終身教授。

1974-1975年間，他在通用電氣公司大型蒸汽汽輪發電機部門擔任電氣工程師，1998-2000年間於Satcon技術公司出任技術中心副總裁兼總經理，亦曾在蘇黎世瑞士聯邦理工學院（ETH Zürich）擔任客座講師。

柯特利博士自本科起即就讀MIT，並於1971年獲該校博士學位。其專長領域為電機與電功率系統，研究工作主要聚焦於感應馬達、永磁同步馬達以及可變磁阻馬達的設計方法學開發，亦參與了船艦推進及其配套電力系統與陸地微電網相關研究。

1998-2006年間，他擔任IEEE Transactions on Energy Conversion主編。1990年出任國際電機會議（International Conference on Electric Machines）主席，並於2001年擔任國際電機與驅動會議（International Electric Machines and Drives Conference）程序委員會主席。

James L. Kirtley Jr.於1990年當選IEEE會士，2000年獲IEEE千禧獎章（IEEE Third Millennium Medal），2002年獲Nikola Tesla獎，2007年當選為美國國家工程院院士，亦為馬薩諸塞州註冊職業工程師。

著有由Wiley出版的教材《Electric Power Principles》，並與H. Wayne Beaty合著由McGraw-Hill出版的《Electric Motor Handbook》。已發表或合著期刊論文逾100篇，會議報告亦逾100篇，並擁有24項專利。



LI Hui

Chief Information Scientist, IASTIC
Academician, National Academy of Artificial
Intelligence (Academician of NAAI)
Professor Emeritus, Peking University

李揮

國際院士科創中心首席信息科學家
美國國家人工智能研究院院士
北京大學榮休教授

Dr. Hui Li is a Professor of Peking University. Hui Li received the B.Eng. and M.S. degrees from Tsinghua University in 1986 and 1989, respectively, and Ph.D. degree from the Chinese University of Hong Kong in 2000. He is the Chief Information Scientist of the International Academician Science & Technology Innovation Center, the Foreign Academician of the Russia Academy of Natural Science, the Member of the National Academy of Artificial Intelligence (NAAI) USA, the Member of the Expert Committee of the World Digital Technology Academy under the guidance of the UN Commission on Sci. & Tech. for Developments. He proposed the first co-governed sovereignty network with properties of multilateral governance, independent sovereignty, security, peace, and the rule of law. MIN obtained the award of the World Leading Internet Scientific and Technological Achievements at the 2019 World Internet Conference. MIN was also awarded the Diamond Award among all Golden Awards at the 2022 British International Invention Exhibition. He put forward a complete set of patent solutions to solve the CAP trilemma of consortium blockchain. His monograph will be jointly published by Wiley Press. He also proposed practical G (2) regeneration code patents, which have become the de facto global industry standard, achieving significant economic and environmental benefits. His two major scientific platforms, namely "Cyberspace Technology National Laboratory Construction Plan" and the "National Major Science and Technology Infrastructure Proposal for Future Network", were commissioned by the Shenzhen Municipal Government. Prof. Hui Li's efforts have played a significant role in their successful implementation in Shenzhen.

李揮，北京大學教授，本科和碩士畢業於清華大學，博士畢業於香港中文大學。他是國家重大科技基礎設施未來網絡北大實驗室主任、俄羅斯自然科學院院士、美國國家人工智能科學院院士、國際院士科創中心首席信息科學家、聯合國世界數字技術院專委成員、中關村軍民融合信息裝備產業促進會GW星座網絡總工程師。他為全球貢獻了網絡空間命運共同體的技術方案MIN。MIN入選世界互聯網領先科技成果，有相應中英文專著出版，獲得2022年英國國際發明展第一名唯一鑽石獎。他提出解決區塊鏈大規模聯盟鏈CAP三難困境全套專利方案，與全球第一的Wiley出版社簽訂了合同，為網絡空間命運共同體的安全和數字經濟核心系統落地提供堅實技術支柱。他的分布式存儲編碼理論及系統研究全球領先，取得巨大經濟效益及無與倫比的環保效益。他還受深圳市政府委托主筆兩個重大科研平台《網絡空間國家實驗室建設方案》和《未來網絡國家重大科技基礎設施建議書》及答辯，為它們落地深圳市做出貢獻。



Kenji MORITA

Senior Expert, Electric System Research Group,
Environment Research Division, Japan Automobile
Research Institute (JARI)

森田賢治

日本自動車研究所（JARI）環境研究部電氣系統研究組
高級專家

Dr. Kenji Morita joined the Japan Automobile Research Institute (JARI) in 1983. Throughout his career, he has been engaged in collaborative research and development related to clean energy vehicles, ranging from alternative fuel vehicles such as those powered by methanol to electric vehicles. His work spans all vehicle categories—from heavy-duty trucks and passenger cars to ultra-compact vehicles—and includes demonstration testing, standardization of evaluation methodologies, technology trend analysis, and energy efficiency forecasting.

In 2024, he earned a Doctorate in Engineering. Dr. Morita currently serves as a Board Member of the Electric Vehicle Association of Asia Pacific (EVAAP), and as a Director responsible for lectures and seminars at the Kanto Branch of the Society of Automotive Engineers of Japan (JSAE). He is also a member of the Next-Generation Energy Systems Task Force under the Tsukuba 3E Forum.

森田賢治博士於1983年加入日本自動車研究所(JARI)。在他的職業生涯中，他一直從事與清潔能源汽車相關的合作研究和開發，範圍從甲醇驅動的替代燃料汽車到電動汽車。他的工作橫跨所有車輛類別——從重型卡車和乘用車到超小型車輛——包括示範測試、評估方法標準化、技術趨勢分析和能源效率預測。

2024年，他獲得了工程學博士學位。森田博士目前是亞太電動車協會(EVAAP)的理事會成員，也是日本汽車工程師學會(JSAE)關東分會負責講座和研討會的理事。他也是筑波3E論壇下一代能源系統專責小組的成員。



REN Xiang-Fei

Chief Engineering & Technology Scientist and Executive Vice-President, Geely Research Institute

任向飛

吉利汽車首席工程技術科學家兼研究院常務副院長

Ren Xiangfei - Chief Engineering & Technology Scientist, Executive Vice-President of the Geely Research Institute, Vice Chairman of China Intelligent Transportation Industry Alliance, Deputy Director of Zhejiang Provincial Key Laboratory of New Energy Vehicle Thermal Management, Senior Automotive Engineer of Zhejiang Province, and Member of the Evaluation Committee of China Society of Automotive Engineers.

As a leader in Geely's technological research and development, he possesses extensive technical expertise across multiple fields. He has led his team in developing several industry-leading technologies, including the ShenDun Golden Battery, Thunder 11-in-1 Intelligent Electric Drive, and the GEA Global Intelligent New Energy Architecture. With 47 authorized patents to his name, he has successfully addressed numerous industry challenges in safety, energy efficiency, and environmental protection. He has overseen multiple national-level research projects and has been honored with several industry-level, provincial, and municipal awards for scientific and technological progress.

任向飛，吉利汽車首席工程技術科學家兼研究院常務副院長，中國智能交通產業聯盟副理事長，浙江省新能源車輛熱管理重點實驗室副主任，浙江省汽車工程高級工程師，中國汽車工程學會評委會委員。

作為吉利汽車技術研發領域的帶頭人，在多個領域有豐富的技術研發經驗，帶領團隊打造神盾金磚電池、雷霆 11 合 1 智能電驅、GEA 全球智能新能源架構等多項行業領先技術，累計獲得授權專利 47 項，成功解決安全、節能、環保等眾多行業技術難題。主持多項國家級課題，並且榮獲多項行業級、省市級科學技術進步獎。



SHI Jian-Peng

Deputy Chief Engineer, Dongfeng Motor Corporation

史建鵬

東風汽車集團有限公司副總工程師

Shi Jianpeng holds a Doctor of Engineering degree. He is the Deputy Chief Engineer of Dongfeng Motor Corporation Limited, a recipient of the Government Special Allowance from the State Council, an expert at the Ministry of Science and Technology of China, and a senior engineer at the researcher level. He has long been engaged in research on key core technologies for domestic automotive brands and new energy vehicles. Notably, he has achieved multiple accomplishments in the development and engineering applications of technologies such as hydrogen fuel cells, solid-state batteries, distributed hub motor drives, and CAE simulation. He has served three times as the Chief Scientist of the National Key Research and Development Program (2017–2024) and once as the Project Leader of Hubei Province's "Sharp Knife" Technology Breakthrough Project (2023). In terms of academic achievements, he has published 12 books (all as first author) and over 50 papers in core journals. He holds 56 authorized invention patents, all of which have been commercialized or applied. He has drafted three national standards (one published) and one group standard. Shi Jianpeng has received four major industry awards, including the First Prize of Science and Technology Progress Award from the Society of Automotive Engineers of China (ranked first) and two Second Prizes of Science and Technology Progress Award of Hubei Province (ranked first).

史建鵬，工學博士，東風汽車集團有限公司副總工程師、國務院政府津貼專家、國家科技部專家、研究員級高級工程師，長期從事自主品牌和新能源汽車的關鍵核心技術研究，尤其是在氫燃料電池、固態電池、分布式輪轂電機驅動、CAE 仿真等技術開發與工程應用上取得了多項成果。三次擔任國家重點研發計劃項目首席科學家（2017 年至 2024 年），一次擔任湖北省「尖刀」技術攻關工程項目負責人（2023 年）；在學術成果方面，發表著作 12 本（均為第 1 作者）；發表核心期刊論文 50 余篇；獲得授權發明專利 56 項，並且全部轉化；起草國家標準 3 項（其中已發佈 1 項）、團體標準 1 項；先後榮獲中國汽車工程學會科技進步獎一等獎（排名 1）等 4 項行業重要獎項，以及湖北省科技進步獎二等獎（排名 1）2 項。



Don TAN

Member, U.S. National Academy of Engineering
IEEE Technical Activities Vice President-Elect 2025

譚東方

美國國家工程院院士
IEEE 2025年技術活動當選副主席

Dr. Don Tan earned his PhD from Caltech. He is a member of the National Academy of Engineering, USA and a fellow of the IEEE. He has served as Distinguished Engineer, Fellow, Chief Engineer-Power Conversion, Program Manager, Department Manager, and Center Director in a US Fortune 500 corporation. Unusually prolific as a visionary technical leader in ultra-efficient power conversion and electronic energy systems, Dr. Tan has pioneered breakthrough innovations with numerous high-impact industry firsts and record performances that received commendations from the highest level of the Government. He has developed hundreds of designs and thousands of hardware units deployed for space applications without a single on-orbit failure. His suite of world-class electronics performed flawlessly on the James Webb Space Telescope (JWST), located one million miles away, fulfilling a historical mission for the humanity and with world-record-breaking performances.

Dr. Tan is the IEEE Technical Activities Vice President-Elect 2025, founding President of IEEE Transportation Electrification Council, Chair of IEEE Fellow Advisory and Oversight Subcommittee, and Vice Chair of IEEE Industry Engagement Committee. Among numerous others, Don has served as Division II Director, IEEE Board of Directors; Fellow Committee Chair, IEEE PELS/PES eGrid Steering Committee Chair, PELS Long Range Planning Committee Chair, Nomination Committee Chair, PELS President, Editor-in-Chief (Founding) for IEEE Journal of Emerging and Selected Topics in Power Electronics, APEC (the fourth largest event in IEEE) General Chair, PELS Vice President-Operations, Guest Editor-in-Chief for IEEE Transactions on Power Electronics and IEEE Transactions on Industry Applications, Fellow Committee, PELS Vice President-Meetings, IEEE Chair for IEEE/Google Little Box Challenge (awarded \$1M cash prize), and IEEE/DoD Working Group Chair, developed IEEE/ANSI standards 1515/1573. Don has delivered about 130+ keynotes/invited global presentations. He has received more than \$30M+ external customer funding for research and technology development. He also serves on many prestigious national and international award, review and selection committees.

譚博士於加州理工學院獲得博士學位，是美國國家工程院院士和IEEE會士。他曾在美國財富500強公司擔任傑出工程師、會士、電力轉換首席工程師、項目經理、部門經理和中心主任。作為超高效電力轉換和電子能源系統領域富有遠見的技術領導者，譚博士取得眾多具有重大行業影響力的首創和創紀錄性能，並獲得了政府最高級別的表彰。他還開發了數百種設計，數千個硬件單元已部署用於太空應用，且無一在軌故障。他的全套世界級電子設備在距離一百萬英里的詹姆斯·韋伯太空望遠鏡（JWST）上完美運行，完成了人類的一項歷史使命，並創造了世界紀錄的性能。

譚博士是IEEE 2025年技術活動當選副主席、IEEE交通電氣化委員會創始主席、IEEE院士諮詢和監督小組委員會主席，以及IEEE行業參與委員會副主席。此外，他還擔任過IEEE理事會II區總監、IEEE PELS/PES eGrid指導委員會主席、PELS長期規劃委員會主席、提名委員會主席、PELS主席、《IEEE電力電子新興與精選主題雜誌》（創始）主編、APEC（IEEE第四大活動）主席、PELS運營副主席、《IEEE電力電子匯刊》和《IEEE工業應用匯刊》客座主編、院士委員會、PELS會議副主席、IEEE/Google Little Box Challenge主席（獲得100萬美元現金獎勵），以及IEEE/DoD工作組主席，開發了IEEE/ANSI標準1515/1573。譚博士已發表了130多次主題演講/受邀全球演講，為研究和技術開發獲得了超過3000萬美元的外部客戶資金。他還擔任眾多享有盛譽的國家和國際獎項、評審和選拔委員會委員。



YANG Han-Bing

Honorary Professor, Southeast University
CEO, CATL-CAIT

楊漢兵

東南大學榮譽教授
寧德時代（上海）智能科技有限公司首席執行官

Mr. YANG HANBING, honorary Professor of Southeast University, who has been deeply involved in the field of automobiles and new energy for more than 30 years. His career path attaches importance to the innovation & optimization of new energy products, and achieved more efficient, low-energy and innovative automobile products & solutions. Since 2021, Mr YANG HANBING takes the new challenge as CEO of CATL-CAIT integrated intelligent chassis business; Used to be the president of Schaeffler Automotive Science and Technology Department in Greater China and a member of the Board of Directors in Greater China, responsible for the strategic planning and business management, for new energy vehicles, R&D center, and in charge of several production plants; In 2014, "Automobile and Accessories" magazine awarded Yang as the "2014 Annual Technology Innovation Award".

楊漢兵是東南大學榮譽教授，於汽車及新能源領域深耕30多年，重視新能源產品的創新與優化，達成更加高效、低能耗和創新性的汽車產品和解決方案。秉持「打通綠色能量流，賦能夥伴造好車」的企業使命，致力發展國內新能源汽車的平台化智能電動底盤CTC技術。CTC技術能夠提高電動汽車的效率；增加電動汽車續航里程；實現高低溫下降低續航里程衰減；為新能源汽車「電池創新」「底盤創新」「充電創新」三大重要技術攻關；全力踐行綠色出行事業。他曾任舍弗勒大中華區汽車科技部總裁，大中華區董事會成員，負責大中華區汽車科技部大客戶管理、發動機系統、變速箱系統、新能源汽車、研發中心、多個生產基地的戰略規劃和業務管理。2014年《汽車與配件》雜誌授予他「2014年年度技術創新獎」。



YIN Tong-Yue

Chair, Chery Automobile Co., Ltd.

尹同躍

奇瑞集團董事長

Yin Tongyue, was born in October 1962, graduated from Hefei University of Technology's Automobile Manufacturing major in 1984, returned to Anhui in 1996 to participate in the preparatory work of Chery Company, and is currently a deputy to the 14th National People's Congress, the Party Committee Secretary and Chairman of Chery Holding Group Co., Ltd., and the Party Committee Secretary and Chairman of Chery Automobile Co., Ltd.

Yin Tongyue has successively won honorary titles such as the "Nomination Award for the Second National Moral Model", "National May 1 Labor Medal", "National Model Worker", "Outstanding Contribution Figure in Chinese Philanthropy", "Outstanding Figure Award in China's Automobile Industry during the 30 Years of Reform and Opening Up", "He Liang He Li Annual Science and Technology Innovation Award", "CCTV China Economic Person of the Year", "Top 10 Innovative Figures in China", "Outstanding Contribution Talent Award in Anhui Province", and "First Anhui Provincial Moral Model"; and has successively received important awards such as the "Second Prize of National Science and Technology Progress", "First Prize of the 28th National Enterprise Management Modernization and Innovation Achievement", "Outstanding Leader in Going Global", "13th Yuan Baohua Enterprise Management Gold Award", and "Rao Bin Award in China's Automobile Industry".

尹同躍，1962年10月生，1984年畢業於合肥工業大學汽車製造專業，1996年回到安徽參與奇瑞公司籌建，現任十四屆全國人大代表，奇瑞控股集團有限公司董事長，奇瑞汽車股份有限公司董事長。

尹同躍先後榮獲「第二屆全國道德模範提名獎」「全國五一勞動獎章」「全國勞動模範」「中華慈善突出貢獻人物」「改革開放30年中國汽車工業傑出人物獎」「何梁何利年度科學與技術創新獎」「CCTV中國經濟年度人物」「中國十大創新人物」「安徽省突出貢獻人才獎」「首屆安徽省道德模範」等榮譽稱號；先後獲得「國家科技進步二等獎」「第二十八屆全國企業管理現代化創新成果一等獎」「出海領軍人物」「第十三屆袁寶華企業管理金獎」「中國汽車工業饒斌獎」等重要獎項。



ZHANG Jie

Vice President and General Secretary, Energy Investment Professional Committee (EIPC) of the Investment Association of China (IAC)

張杰

中國投資協會能源投資專業委員會副會長兼秘書長

Mr. Zhang, serves as Vice President and General Secretary, Energy Investment Professional Committee (EIPC) of the Investment Association of China (IAC), Deputy Director, Zero Carbon China Research Center of IAC, and the first proponent of "Zero Carbon China Initiative". He possesses in-depth research and practical expertise in energy transition, energy investment, energy policy, climate change adaptation and mitigation, renewable energy substitution, the hydrogen economy, carbon emission reduction, environmentally sustainable development coupled with renewable energy-based poverty alleviation, and electrification of end-use energy consumption. He has proposed zero-carbon solutions spanning the energy, building, transportation, and industrial sectors, participated in the top-level design and planning of hundreds of zero-carbon projects, and been personally involved in the investment and financing of multiple zero-carbon initiatives.

張杰，現任中國投資協會能源投資專業委員會副會長兼秘書長，零碳中國首倡者，零碳中國研究中心執行主任。他對能源轉型、能源投資，能源政策、氣候變化適應和減緩、可再生能源替代、氫經濟、碳減排、環境可持續發展與可再生能源扶貧、能源終端消費電氣化等方面有深入的研究與實踐。他從能源、建築、交通、工業等方面提出零碳解決方案，參與了數百個零碳項目的頂層設計和規劃，並親自參與了多個零碳項目的投融資。



Zi-Qiang ZHU

Fellow of Royal Academy of Engineering, FIEEE, FIET, FCSEE, FCES

Head of Electrical Machines and Power Group, University of Sheffield, UK

諸自強

英國皇家工程院院士，美國IEEE學會會士，英國IET學會會士，中國電機工程學會會士，中國電工技術學會會士

謝菲爾德大學電機與驅動研究團隊負責人

Professor Z.Q. Zhu is a Fellow of Royal Academy of Engineering, IEEE, IET, CSEE, and CES, as well as the Editor-in-Chief of IET EPA.

He is the recipient of the 2024 Global Energy Prize, the 2021 IEEE Nikola Tesla Technical Field Award, and the 2019 IEEE Industry Application Society Outstanding Achievement Award, as well as 39 Best Paper Awards.

Prof. Zhu is a Top Band Professor and Head of the Electrical Machines and Drives Research Group at the University of Sheffield, UK, and the Founding Director of several industrial research centres, including Siemens and Midea. He will join Hong Kong Polytechnic University as a Chair Professor in November 2025.

His current major research interests include design and control of permanent magnet machines and drives for applications ranging from electrified transportation (including electric vehicles, more electric aircrafts, and fast trains) through domestic appliances to renewable energy (offshore wind power).

諸自強，英國皇家工程院院士，美國IEEE學會會士，英國IET學會會士，中國電機工程學會會士，中國電工技術學會會士，IET Electric Power Applications學報主編。

榮獲2024全球能源獎 (Global Energy Prize)、2021 IEEE電氣技術領域最高獎-尼古拉·特斯拉獎，2019 IEEE工業應用學會傑出成就獎，並獲39項最佳論文獎(包括7項IEEE/IET學報最佳論文獎)。

現任謝菲爾德大學頂級教授，謝菲爾德大學電機與驅動研究團隊負責人，謝菲爾德西門子風電研發中心創建主任、美的上海和謝菲爾德電機和驅動控制研發中心創建主任等。11月1日起將擔任香港理工大學講座教授。

長期從事新型永磁電機及其系統和先進控制關鍵技術的基礎和應用研究，致力於在電氣化交通（電動汽車、高鐵、多電飛機）、海上風力發電、家用電器和自動化系統等領域的應用。

ABOUT THE ORGANISER

關於主辦機構



The GBAAA was officially established on 1 April 2021, as a non-profit organisation registered in Hong Kong. Combining Hong Kong's strengths in scientific research and its advantages as an international city, the GBAAA aims to bring together leading scientists in the region to foster cross-disciplinary exchange and collaboration and promote technology and popular science education. The organisation also provides a driving force for the synergistic innovation and technology development of Guangdong, Hong Kong, and Macao, as well as the development of Hong Kong and the Greater Bay Area into an International Innovation and Technology Centre, thus making contributions to the nation's advancement in technology.

粵港澳大灣區院士聯盟於2021年4月1日成立，為在香港註冊的非牟利團體。聯盟以國家級科學家的力量構建一個強大平台，藉着自身在科研領域及香港國際化的優勢，促進跨學科交流合作，同時推動科技教育和科學普及活動，支撐粵港澳創科協同發展，助力香港以至大灣區建設成為國際創新科技中心，貢獻國家科技發展。

Vision & Mission

- Foster cross-disciplinary exchanges and collaborations among association members, explore cooperative research and development projects, and contribute to innovation and technology development in the GBA.
- Discuss innovation and technology policies related to the GBA and offer advice to advance synergistic development of Guangdong, Hong Kong, and Macao.
- Work with government departments, industries, academia, and research institutes to promote innovation and technology development and cooperation in the GBA.
- Organise educational events to boost the public's knowledge and interests in innovation and technology and enhance the innovative environment of the GBA.

聯盟宗旨

- 促進聯盟成員之間的跨學科交流與創新合作，發掘合作研發項目，為大灣區科技創新發展作出貢獻。
- 探討與大灣區科技創新發展相關的政策，為大灣區發展出謀獻策，支持粵港澳三地創科協同發展。
- 協同粵港澳大灣區內的政府部門、產業界、學界、研究機構等，推動大灣區科技創新合作與發展。
- 通過開展科技教育和科學普及活動，增加大眾對科技的認識及興趣，提升大灣區科技創新氛圍。

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