



未来能源大会
FUTURE ENERGY CONVENTION



第六届未来能源大会

THE SIXTH FUTURE ENERGY CONVENTION

未来能源 新质发展
NEW QUALITY DEVELOPMENT OF FUTURE ENERGY

2024.9.5-9.7 中国·苏州
SEPTEMBER 5-7, 2024 SUZHOU, CHINA



中国能源研究会
China Energy Research Society



中国能源网
www.china5e.com



苏州能源集团



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GCL

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第六届 未来能源大会

未来能源 新质发展

NEW QUALITY DEVELOPMENT OF FUTURE ENERGY

主办单位 | Organizers



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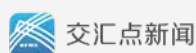
浙江清华长三角研究院
THE ZHEJIANG INSTITUTE OF THINGKA UNIVERSITY ZHEJIANG



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参会指南

尊敬的各位嘉宾：

感谢您莅临第六届未来能源大会。为确保您顺利参会，我们为您提供以下参会须知，请仔细阅读：

一、参会凭证

参会证件将是您出席本次会议及同期活动的有效凭证。

参会凭证包括：苏州市新能源产业高质量发展大会，第六届未来能源大会，2024 苏州国际新能源博览会展商及参观凭证。

二、会议议程

为了保证您充分了解会议日程安排，会议时间表如下：

会议地点：苏州国际博览中心 G 馆二层多功能厅

9月5日上午

09:00-11:30 苏州市新能源产业高质量发展大会

9月5日下午

13:30-14:00 第六届未来能源大会开幕

14:00-15:00 未来能源院士论坛

15:00-16:00 未来能源卓越领导者对话

16:00-18:00 未来能源国际论坛

会议地点：苏州国际博览中心 G3 馆博览会论坛区

9月6日上午

09:00-12:00 专题论坛一：未来能源全球 CTO 论坛

9月6日下午

14:00-16:20 专题论坛二：碳中和产业合作

16:20-18:00 专题论坛三：先进核能 - 聚焦核聚变

9月7日上午

09:00-11:00 专题论坛四：“AI+” 赋能绿色低碳转型

展览举办地点：苏州国际博览中心 G3 馆

9月5日 - 7日 2024 苏州国际新能源博览会

三、会场规定

为了维护会场的环境与安全，酒店及会场严禁吸烟，请您遵守公共卫生须知和酒店安防需求。

如果您在会议期间有任何疑问，请随时联系我们的工作人员。

第六届未来能源大会组委会

紧急联系人：李建平 +86 13701080469

Conference Guide

Dear Guests:

We are delighted to welcome you to the Sixth Future Energy Convention. To ensure your participation goes smoothly, please take a moment to review the following important information:

I. Attendance Credentials:

Your conference badge serves as your official credential for accessing the venue and attending both the conference sessions and associated events.

Credentials include badges for Suzhou New Energy Industry High Quality Development Conference, the Sixth Future Energy Convention, and the Suzhou International New Energy Expo 2024, for both exhibitors and visitors.

II. Conference Agenda:

To help you stay informed about the schedule, please refer to the key agenda items below:

Morning of September 5

09:00-11:30 Suzhou New Energy Industry High Quality Development Conference

Afternoon of September 5

13:30-14:00 Opening Session of the Main Forum - The Sixth Future Energy Convention

14:00-15:00 Future Energy Academician Forum

15:00-16:00 Future Energy Leadership Dialogue

16:00-18:00 Future Energy International Forum

Venue: Multi-function Hall, 2nd Floor, Hall G

Morning of September 6

09:00-12:00 Parallel Forum 1: Global CTO Forum on Future Energy

Afternoon of September 6

14:00-16:20 Parallel Forum 2: Industry Cooperation on Carbon Neutrality

16:20-18:00 Parallel Forum 3: Advanced Nuclear Energy - Focus on Nuclear Fusion

Morning of September 7

09:00-11:00 Parallel Forum 4: "AI+" Empowering the Green and Low-Carbon Transition

Venue: Exhibition Forum Area, Hall G3, Suzhou International Expo Centre

September 5-7

Suzhou International New Energy Expo 2024

Exhibition Venue: Hall G3, Suzhou International Expo Centre

III. Venue Regulations

To ensure the comfort and safety of all attendees, smoking is prohibited within the hotel and conference venue.

Please adhere to public health guidelines and hotel security requirements to help maintain a positive conference environment.

If you have any questions or required assistance during the conference, our staff will be available to support you at any time.

Thank you again for your participation. We look forward to sharing exciting moments in the field of future energy with you.

Organizing Committee of the Sixth Future Energy Convention
Emergency Contact: Jianping Li +86 137 0108 0469



THE SIXTH FUTURE ENERGY CONVENTION

第六届
未来能源大会

未来能源 新质发展

NEW QUALITY DEVELOPMENT OF FUTURE ENERGY



未来能源大会
FUTURE ENERGY CONVENTION

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大会背景

在全球新一轮科技革命和产业变革背景下，前瞻性能源技术不断涌现，为全球能源转型注入新动力。中国绿色能源产业以创新优势和过硬品质为全球能源转型贡献智慧和力量。2024 年中国《政府工作报告》明确提出积极培育未来产业，创建一批未来产业先导区，大力发展绿色低碳经济，推动能源结构绿色转型。积极稳妥推进碳达峰碳中和，深入推动能源革命，加快建设新型能源体系。

第六届未来能源大会将通过政策解读、战略对话、技术展示、合作交流等形式，汇聚全球行业专家和企业领袖，共同探讨未来能源的新机遇、新挑战和新方向，推动能源领域合作与创新。

会议主题

未来能源 新质发展

关于未来能源大会

未来能源大会于 2018 年首次召开，致力于构建国际化、高层次、专业性的跨界合作平台，开展学术与技术交流，探讨和分享从“传统能源”向“未来能源”发展过渡下的智慧成果。

第六届未来能源大会作为中国科学技术协会重要学术会议，由中国能源研究会、中国能源网主办，苏州市能源发展集团有限公司、协鑫（集团）控股有限公司联合主办，以“未来能源 新质发展”为主题，助力能源低碳转型，让更多可持续发展成果惠及民生福祉。

Convention Background

In the context of the vigorous rise of a new round of global technological revolution and industrial transformation, forward-looking and disruptive energy technologies are emerging rapidly, injecting new momentum into the global energy transition. The 2024 "Government Work Report" clearly proposes to actively cultivate future industries, establish a number of future industry pilot zones, vigorously develop a green and low-carbon economy, and promote the green transformation of the energy structure. Actively and prudently promote carbon peaking and carbon neutrality, deeply advance the energy revolution, and accelerate the construction of a new energy system.

The conference gathers top global experts, industry leaders, and innovative forces through policy interpretation, strategic dialogue, technology display, and cooperative exchanges in various forms, to promote cooperation and innovation in the global energy field. Together, we will explore new opportunities, challenges, and directions for future energy, and build a new ecosystem for future energy.

Convention Theme

NEW QUALITY DEVELOPMENT OF FUTURE ENERGY

About the Convention

The Future Energy Convention (FEC), initiated in 2018, is dedicated to building a high-level, professional, and international interdisciplinary cooperation platform. It facilitates academic and technical exchanges, discussions, and sharing of intelligent achievements under the trend of transition from "traditional energy" to "future energy" promoting global energy coordination, efficiency, and sustainability.

The 6th Future Energy Convention FEC2024, as an important academic conference of the China Association for Science and Technology, is hosted by the China Energy Research Society and China Energy Net China5e, co-hosted by Suzhou Energy Development Group Co., Ltd. and GCL (Group) Holdings Co., Ltd. With the theme of "Future Energy: New Quality Development," it aims to enhance the innovation capability of new energy technologies, accelerate the transformation of energy and the high-quality development of the economy, lead the transformation and progress of the global energy industry, and provide strong support for achieving a sustainable future.

主论坛

未来能源 新质发展

🕒 2024 年 9 月 5 日 下午

📍 苏州国际博览中心 G 馆二层多功能厅

开幕致辞

主持人：孙正运 中国能源研究会副理事长兼秘书长

13:30 - 14:00

致辞嘉宾：

苏州市人民政府相关领导

史玉波 中国能源研究会理事长

朱共山 未来能源大会执行主席、协鑫集团有限公司创始人、董事长

冯丽雯 中国能源网董事长

Main Forum

New Quality Development Of Future Energy



September 5, 2024 (Afternoon)



Multi-function Hall, 2nd Floor, Hall G

Opening Remarks

Moderator: Sun Zhengyun, Vice Chairman and Secretary General of China Energy Research Society

13:30 - 14:00

Honored Guests:

Leader(s) Suzhou Municipal People's Government

Shi Yubo, Chairman of China Energy Research Society

Gongshan Zhu, Executive Chairman of Future Energy Convention,

Founder and Chairman of GCL Group

Feng Liwen, Chairman of China Energy Net (China5e)

开幕致辞

主持人



孙正运 中国能源研究会副理事长兼秘书长

教授级高级工程师，国务院特殊津贴专家。曾任国网河北省电力有限公司总经理、国网智能电网研究院院长、国家电网公司副总工程师兼西北部主任、国家电网公司总信息师。现任中国能源研究会副理事长兼秘书长。

致辞嘉宾

苏州市人民政府相关领导



史玉波 中国能源研究会理事长

教授级高级工程师。曾任国家能源局副局长（副部长级）、党组成员。现任中国能源研究会党委书记、理事长。长期从事能源电力研究管理工作，具有丰富的实践经验和深厚的理论功底。始终聚焦能源行业绿色低碳，积极推动能源转型升级以及国家能源政策的制定和落地。



朱共山 未来能源大会执行主席、协鑫集团有限公司创始人、董事长

协鑫集团控股有限公司创始人、董事长，同时担任全球绿色能源理事会主席和亚洲光伏产业协会主席等要职。过去 20 余年，朱共山以稳健领导力和对能源发展的坚定信念，推动协鑫集团成为国际光伏产业的重要力量，并取得一系列助力行业变革的成就。



冯丽雯 中国能源网董事长

中国能源网董事长，创始人之一。中国能源研究会理事，中国能源研究会双碳产业合作分会副主任兼秘书长。毕业于北京工业大学机械工程，曾任职中国科学院力学研究所；后就读于美国麻省州立大学获得物理硕士及工程管理硕士学位。

Opening Remarks

Moderator

Sun Zhengyun

Vice Chairman and Secretary General, China Energy Research Society

Professor-level senior engineer. Enjoys a special allowance from the State Council of China. Formerly served as the General Manager of Hebei Provincial Power Company, Director of the State Grid Intelligent Research Institute, Deputy Chief Engineer of State Grid Corporation of China, and Director of the Northwest Division. Currently holds the positions of Vice Chairman and Secretary-General of the China Energy Research Society.

Honored Guests

Leader(s) of Suzhou Municipal Government

Shi Yubo

Chairman, China Energy Research Society

Professor-level senior engineer and currently serves as the Secretary of the Party Committee and Chairman of China Energy Research Society. He has long been engaged in energy and power research and management, possessing rich practical experience and deep theoretical foundation. He consistently focuses on green and low-carbon development in the energy industry, actively promotes energy transformation and upgrading, and contributes to the formulation and implementation of national energy policies.

Gongshan Zhu

Executive Chairman of Future Energy Convention, Founder and Chairman of GCL Group

Zhu Gongshan, Founder and Chairman of GCL Group Holdings Co., Ltd., also serves as Chairman of the Global Green Energy Council and Chairman of the Asian Photovoltaic Industry Association. Over the past 20 years, Zhu Gongshan has promoted GCL Group to become an important force in the international photovoltaic industry with steady leadership and firm belief in energy development, and has made a series of achievements to help the industry change.

Feng Liwen

President, China Energy Net

Currently serving as the Chairman of China Energy Net, Feng Liwen also holds the position of Deputy Director and Secretary-General of the Dual-Carbon Industry Cooperation Branch, China Energy Research Society. As one of the founders of China Energy Net, she graduated from Beijing University of Technology with a degree in Mechanical Engineering and previously worked at the Institute of Mechanics, Chinese Academy of Sciences. She furthered her education in the United States, earning master's degrees in Physics and Engineering Management from Massachusetts State University.

主论坛

未来能源 新质发展

🕒 2024 年 9 月 5 日 下午

📍 苏州国际博览中心 G 馆二层多功能厅

未来能源院士论坛

主持人：李 政 清华大学气候变化与可持续发展研究院院长

14:00 – 15:00

双碳目标下我国能源电力系统发展趋势探讨

周孝信 中国科学院院士、中国电力科学研究院名誉院长

“双碳”目标下能源科技的未来畅想

高 翔 中国工程院院士、浙江工业大学校长

Main Forum

New Quality Development Of Future Energy



September 5, 2024 (Afternoon)



Multi-function Hall, 2nd Floor, Hall G

Future Energy Academician Forum

Moderator: Li Zheng, Dean of Institute of Climate Change and Sustainable Development, Tsinghua University

14:00 - 15:00

Discussion on the Development Trends of China's Energy and Power Systems under the Dual-Carbon Goals

Zhou Xiaoxin, Academician of the Chinese Academy of Sciences,
Honorary President of China Electric Power Research Institute

Visions of Energy Technology Futures under the Dual Carbon Goals

Gao Xiang, Academician of Chinese Academy of Engineering,
President of Zhejiang University of Technology

未来能源院士论坛

主持人



李 政 清华大学气候变化与可持续发展研究院院长

清华大学教授，博士生导师，教育部长江学者特聘教授，清华大学气候变化与可持续发展研究院院长，世界大学气候变化联盟秘书长，国家气候变化专家委员会委员。研究方向为热动力设备及系统数学模型与仿真，能源大数据分析与诊断技术，能源系统分析与能源发展战略研究，碳捕捉与埋存系统分析与关键过程研究，应对气候变化战略和政策等。

演讲嘉宾



周孝信 中国科学院院士、中国电力科学研究院名誉院长

电力系统专家，中国科学院院士，美国国家工程院外籍院士，IEEE Fellow，教授级高级工程师、博士生导师。中国电力科学研究院名誉院长。长期从事电力系统分析和控制的数学模型和计算方法研究。



高 翔 中国工程院院士、浙江工业大学校长

中国工程院院士，英国 IET 会士，中国电机工程学会会士，中国环境科学学会会士。长期致力于能源与环境领域的基础理论、关键技术及工程应用研究。获国家技术发明奖一等奖 1 项、国家科技进步奖二等奖 1 项、国家技术发明奖二等奖 1 项，并获何梁何利基金科学与技术创新奖、全国创新争先奖状、全国五一劳动奖章等。

Future Energy Academician Forum

Moderator

Li Zheng

President, Institute of Climate Change and Sustainable Development, Tsinghua University

Professor at Tsinghua University, doctoral supervisor, Changjiang Scholar Distinguished Professor of the Ministry of Education, Dean of the Institute of Climate Change and Sustainable Development at Tsinghua University, Secretary General of the World University Climate Change Alliance, and member of the National Expert Committee on Climate Change. His research interests include mathematical modeling and simulation of thermal power equipment and systems, energy big data analysis and diagnostic technology, energy system analysis and energy development strategy research, carbon capture and storage system analysis and key process research, and strategies and policies for addressing climate change.

Keynote Speeches

Zhou Xiaoxin

**Academician, Chinese Academy of Sciences
Honorary President, China Electric Power Research Institute**

Power system expert, Academician of the Chinese Academy of Sciences, Foreign academician of the U.S. National Academy of Engineering, IEEE Fellow, Professor-level senior engineer, and doctoral supervisor. Honorary President of the China Electric Power Research Institute. Engaged in long-term research on mathematical models and computational methods for power system analysis and control.

Gao Xiang

Academician of Chinese Academy of Engineering, President of Zhejiang University of Technology

Member of the CAE Member, member of the British IET, member of the Chinese Society of Electrical Engineering, member of the Chinese Society of Environmental Sciences. Long term commitment to fundamental theory, key technologies, and engineering application research in the field of energy and environment. He won one first prize of the the State Technological Innovation Award, one second prize of the National Science and Technology Progress Award, one second prize of the the State Technological Innovation Award, and won the Science and Technology Innovation Award of the Ho Leung Ho Lee Foundation, the National Innovation Competition Award, the National May Day Labor Medal, etc.

主论坛

未来能源 新质发展

🕒 2024 年 9 月 5 日 下午

📍 苏州国际博览中心 G 馆二层多功能厅

未来能源卓越领导者对话

——破局与展望

主持人：王仲颖 中国宏观经济研究院能源研究所前所长

15:00 – 16:00

- 如何突破产业内卷周期，提升产业链竞争优势，实现降本增效以应对不确定性？
- 如何开展技术预研，提前布局技术战略储备，以抢占未来先机？
- 如何通过协同与资源整合、优化供应链、提升创新能力，从而更好地适应市场变化及竞争压力？

对话嘉宾：

朱云来 中国国际金融股份有限公司原总裁兼首席执行官、
中国科学院科技战略咨询研究院特聘研究员

史立山 国家能源局新能源和可再生能源司、核电司原副司长

朱共山 协鑫集团有限公司创始人、董事长

邹骥 能源基金会首席执行官兼中国区总裁

刘意 美的光伏总经理

Main Forum

New Quality Development Of Future Energy

 September 5, 2024 (Afternoon)

 Multi-function Hall, 2nd Floor, Hall G

Future Energy Excellent Leadership Dialogue Breakthroughs and Prospects

Moderator: Wang Zhongying, Former Director of Energy Research Institute of National Development and Reform Commission

15:00 - 16:00

- **How can we break the cycle of industrial stagnation, enhance the competitive advantage of the value chain, and achieve cost reduction and efficiency improvements to navigate uncertainties?**
- **How can we conduct forward-looking technology research and strategically position technological reserves to capture future opportunities?**
- **How can we better adapt to market changes and competitive pressures through collaboration, resource integration, supply chain optimization, and enhanced innovation capabilities?**

Panelists:

Levin Zhu, Former President and CEO, China International Capital Corporation(CICC)

Distinguished Research Fellow of Institutes of Science and Development of Chinese Academy of Science

Shi Lishan, Former Deputy Director of New and Renewable Energy Department, National Energy Administration

Gongshan Zhu, Founder and Chairman of GCL Group

Zou Ji, CEO and President of Energy Foundation China

Liu Yi, CEO of Midea Solar

未来能源卓越领导者对话

主持人



王仲颖 中国宏观经济研究院能源研究所前所长

北京师范大学数学系本科学士毕业、清华大学核能研究院能源系统分析专业硕士研究生毕业，中国宏观经济研究院能源研究所前所长，获国务院政府特殊津贴，中国宏观经济研究院高级顾问专家，第四届国家气候变化专家委员会专家委员。长期从事能源系统优化以及能源、经济、环境协调发展战略研究。《中华人民共和国可再生能源法》的主要起草者之一；2015 年在国内首次提出高比例可再生能源发展情景和路径研究成果；参与多项国家能源中长期发展战略暨五年规划研究。

对话嘉宾



朱云来 中国国际金融股份有限公司原总裁兼首席执行官 中国科学院科技战略咨询研究院特聘研究员

曾就读于南京气象学院大气物理学专业，后赴美国深造。美国威斯康星大学大气物理学博士。芝加哥德保罗大学会计硕士，瑞士信贷第一波士顿国际银行商学院工商管理硕士。曾任中国国际金融有限公司总裁兼首席执行官。



史立山 国家能源局新能源和可再生能源司、核电司原副司长

先后在中国电建北京勘测设计研究院、国家发展改革委、国家能源局工作。主要从事抽水蓄能电站设计工作及全国水电、农村电网改造、农村能源建设、风能、太阳能、生物质能、能源节约等能源领域管理工作；先后担任国家能源局新能源司和核电司副司长，主要从事全国水能、风能、太阳能、生物质能和核能等清洁能源行业管理工作，组织主持我国多项水电、风电、太阳能发电、生物质发电以及核电等清洁能源产业政策和发展战略的制定。



朱共山 协鑫集团有限公司创始人、董事长

协鑫集团控股有限公司创始人、董事长，同时担任全球绿色能源理事会主席和亚洲光伏产业协会主席等要职。过去 20 余年，朱共山以稳健领导力和对能源发展的坚定信念，推动协鑫集团成为国际光伏产业的重要力量，并取得一系列助力行业变革的成就。

Future Energy Excellent Leadership Dialogue

Moderator

Wang zhongying

Former Director of the Energy Research Institute at the National Macroeconomic Research Institute

Graduated with a Bachelor's degree in Mathematics from the School of Mathematics at Beijing Normal University, and with a Master's degree in Energy System Analysis from the Institute of Nuclear Energy Research at Tsinghua University. Former Director of the Energy Research Institute at the National Macroeconomic Research Institute, recipient of the Special Government Allowance from the State Council, Senior Consulting Expert at the National Macroeconomic Research Institute, and a member of the Fourth National Climate Change Expert Committee. Engaged in long-term research on energy system optimization and the coordinated development strategy of energy, economy, and environment. One of the main drafters of the "Renewable Energy Law of the People's Republic of China"; first proposed the scenario and path for high-proportion renewable energy development in China in 2015; participated in multiple national energy medium and long-term development strategies and five-year plans research.

Panelists

Levin Zhu

Former President and CEO, China International Capital Corporation(CICC)

Distinguished Research Fellow of Institutes of Science and Development of Chinese Academy of Science

Studied Atmospheric Physics at Nanjing University of Information Science and Technology, then pursued further education in the United States. Earned a Ph.D. in Atmospheric Physics from the University of Wisconsin, an M.S. in Accountancy from DePaul University in Chicago, and an M.B.A. from the Credit Suisse First Boston International Bankers Institute in Switzerland. Formerly served as the President and CEO of China International Capital Corporation.

Shi Lishan

Former Deputy Director, New Energy and Renewable Energy Department and Nuclear Power Department, NEA.

I have worked successively at China Electric Power Construction Beijing Survey and Design Institute, National Development and Reform Commission, and National Energy Administration. Mainly engaged in the design of pumped storage power stations and the management of energy fields such as national hydropower, rural power grid renovation, rural energy construction, wind energy, solar energy, biomass energy, energy conservation, etc; He has successively served as the Deputy Director of the New Energy Department and the Nuclear Power Department of the National Energy Administration, mainly engaged in the management of clean energy industries such as hydropower, wind power, solar energy, biomass energy, and nuclear energy nationwide. He has organized and presided over the formulation of multiple clean energy industry policies and development strategies for hydropower, wind power, solar power, biomass power, and nuclear power in China.

Gongshan Zhu

Founder and Chairman of GCL Group

Zhu Gongshan, Founder and Chairman of GCL Group Holdings Co., Ltd., also serves as Chairman of the Global Green Energy Council and Chairman of the Asian Photovoltaic Industry Association. Over the past 20 years, Zhu Gongshan has promoted GCL Group to become an important force in the international photovoltaic industry with steady leadership and firm belief in energy development, and has made a series of achievements to help the industry change.



邹 骥 能源基金会首席执行官兼中国区总裁

在经济发展、能源、环境与气候变化战略与政策综合决策相关领域深耕多年，在业内享有很高声誉和影响力。曾任国家发展改革委国家应对气候变化战略研究和国际合作中心副主任，投身中国低碳发展战略与政策研究、应对气候变化国际谈判与合作等领域的工作，在国际、国内都积累了丰富的经验。



刘 意 美的光伏总经理

工商管理硕士，合肥美的合康光伏科技有限公司总经理。曾任美的集团家用空调北区总监。秉承志存高远、客户至上、变革创新、包容共协、务实上进的价值观，推动美的光伏业务发展，布局新能源赛道。致力将美的光伏打造成为全球新能源领域领先的产品提供商。

Ji Zou

CEO & President, Energy Foundation China

Prof. Ji ZOU, as CEO & President of Energy Foundation China, overall manages the organization.

He previously served as a deputy director general of China's National Center for Climate Change Strategy and International Cooperation, focusing on China's low-carbon development strategy and policy, and also led international climate negotiations and collaboration.

Prof. Zou brings NGO experience to the position, as well. He served as the first China Country Director of the World Resources Institute from 2009 to 2012, during which he led the institute in exploring projects in climate change, clean energy, and sustainable and livable cities.

Yi Liu

Manager of MIDEA PV

Liu Yi, holds a master's degree in business administration. He is the general manager of Hefei Midea Hiconics Photovoltaic Technology Co., Ltd.

He has served as the director of the northern region of Midea Group's household air conditioners and other positions.

Adhering to the values of aiming high, putting customers first, reforming and innovating, being inclusive and collaborative, and being pragmatic and enterprising, he promotes the development of Midea's photovoltaic business and lays out in the new energy track. He is committed to making Midea Photovoltaic become a leading product provider in the global new energy field.

主论坛

未来能源 新质发展

🕒 2024 年 9 月 5 日 下午

📍 苏州国际博览中心 G 馆二层多功能厅

国际论坛

——走出去与走进来

主持人：黄少中 中国能源研究会双碳产业合作分会主任

16:00 – 17:00

成果发布：培育发展绿色生产力
绿色低碳产业、技术、布局和政策体系研究

王晓明 中国科学院科技战略咨询研究院产业科技创新研究部部长

新能源企业海外投资机遇与挑战

王克文 中国产业海外发展协会副秘书长

中国品牌出海“大时代”下如何构建信任体系

梁启春 博然思维集团合伙人

中国新能源行业投资并购趋势洞察

赵娜娜 德勤中国并购咨询总监

Main Forum

New Quality Development Of Future Energy

 September 5, 2024 (Afternoon)

 Multi-function Hall, 2nd Floor, Hall G

International Forum

Going Global and Attracting Involvement

Moderator: Huang Shaozhong, Director of the Specialized Committee on Dual-Carbon Industry Cooperation, CERS

16:00-17:00

**Results Release—Visions of Future Energy Technology under the Dual Carbon Goals:
Cultivate Green Productivity**

Research on Green and Low Carbon Industries, Technologies, Layout, and Policy System

Wang Xiaoming, Director of Industry Science and Technology Development,
Institutes of Science and Development, Chinese Academy of Sciences

Opportunities and Challenges for New Energy Companies in Overseas Investment

Wang Kewen, Deputy Secretary General, China Overseas Development Association

Building Trust in the New Era of Chinese Brands Globalization

QC Liang, Partner, Brunswick Group

China New Energy Industry Intrends and Insights

Alina Zhao Director, Deloitte M&A Transaction Services

国际论坛

主持人



黄少中 中国能源研究会双碳产业合作分会主任
国家能源局西北监管局原局长

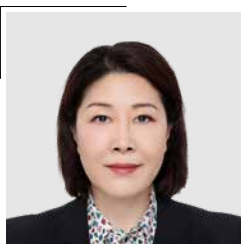
中国能源研究会研究员、中国能源研究会双碳产业合作分会主任、高级经济师、高级会计师、世界银行高级专家、国家能源局西北监管局原局长。

演讲嘉宾



王晓明 中国科学院科技战略咨询研究院产业科技创新研究部部长

中国科学院科技战略咨询研究院研究员，先后任职重任部研究员和科技发展战略研究所副所长，现任产业科技创新研究部部长，主要研究产业科技融合创新，重点研究战略性新兴产业和未来产业、数字经济和绿色低碳产业。



王克文 中国产业海外发展协会副秘书长

自 2014 年起致力于中国与“一带一路”沿线国家的产能与投资合作研究咨询工作，带领团队持续跟踪研究中国企业在哈萨克斯坦、菲律宾、柬埔寨等国开展产能合作情况，向国家相关部门提供政策建议，并为中国企业开展境外投资提供支持和政策咨询。先后主持多个课题，并发表《中哈产能合作：首倡之地的实践新样本》等文章。



梁启春 博然思维集团合伙人

拥有 30 年企业传播与管理经验，帮助客户解决关乎企业痛点问题。加入博然思维前，曾任伟达公关大中华区总裁兼 CEO，并在 TCL 集团担任高管多年，包括助理总裁兼品牌管理中心总经理、TCL 公益基金会秘书长等。目前担任苏秦会中国品牌出海委员会主席。



赵娜娜 德勤中国并购咨询总监

现任德勤中国并购咨询总监，拥有 12 年审计、风险管理及财务并购咨询经验。德勤中国气候变化和可持续发展事业群的倡导人，在能源转型、新能源和可再生能源领域持续为客户提供投资、并购、重组相关的专业服务，包括协助企业将财务投资和产业发展相结合，助力各类企业间在能源转型及双碳领域的跨界合作。

International Forum

Moderator

Huang Shaozhong

Director, Dual-Carbon Industry Cooperation Branch of China Energy Research Society

Researcher at China Energy Research Society, Director of the Carbon Neutrality Industry Cooperation Sub-Committee of China Energy Research Society, Senior Economist, Senior Accountant, Senior Expert at the World Bank, Former Director of Northwest Supervision Bureau of the National Energy Administration.

Keynote Speeches

Wang Xiaoming

Director of the Research Department of Industrial Technology Innovation, Chinese Academy of Sciences

Institutes of Science and Development, Chinese Academy of Sciences, Research Fellow. He successively served as a research fellow of the Department of Responsibility and the deputy director of the Institute of Science and Technology Development Strategy. He is currently the director of the Research Department of Industrial Technology Innovation. He mainly studies industrial technology integration and innovation, focusing on strategic emerging industries and future industries, digital economy, and low-carbon industries.

Wang Kewen

Deputy Secretary General, China Overseas Development Association

Since 2014, she has been working on the study of production capacity and investment cooperation between China and "Belt and Road" countries and relevant consultation, leading a team to track and study the situation of Chinese enterprises carrying out production capacity cooperation in some foreign countries, such as Kazakhstan, the Philippines and Cambodia, giving policy advice to government departments, and providing support and policy consultation for Chinese enterprises to make investment overseas. She has led multiple research projects and published many professional articles.

QC Liang

Partner of Brunswick Group

QC Liang, partner of Brunswick Group, is a highly experienced strategic communications advisor who draws on three decades of experience advising companies on their most pressing issues from reputation management, investor relations, to crisis and ESG communications. Prior to Brunswick, QC was President and CEO of H+K Strategies in Greater China. Earlier in his career, QC held senior roles at TCL Corporation, including Assistant President, General Manager of Branding, and Secretary General of TCL Charity Foundation. QC also chairs the Suqin Committee for Chinese Brands Going Global.

Alina Zhao

Director, Deloitte M&A Transaction Services

Alina is the Director of Deloitte M&A Transaction Services, with 12 years of experience in auditing, risk management and M&A financial due diligence. Alina is also an advocate of Deloitte China's Climate Change and Sustainability Group, and continues to provide clients with professional services related to investment, mergers and acquisitions and restructuring in the field of energy transition, new and renewable energy, including assisting enterprises to combine financial investment and industrial development, facilitating cross-border cooperation between various enterprises in the field of energy transition, carbon peak and carbon neutrality, assisting in finding domestic and overseas high-quality M&A targets and advanced technologies.

主论坛

未来能源 新质发展

🕒 2024 年 9 月 5 日 下午

📍 苏州国际博览中心 G 馆二层多功能厅

圆桌对话

主持人：孙贤胜 国际能源转型学会会长、国际能源论坛（IEF）前秘书长

17:00 – 18:00

- 如何从国际能源转型及产业发展趋势看中企在技术、成本和市场等方面积累的优势，以及布局海外面临的机遇和挑战？
- 国际企业在低碳技术和业务的投资布局及实践以践行可持续发展理念的路径和措施有哪些？
- “走出去”与“走进来”的本土化经营战略成功经验及启示有哪些？如何看待全球化合作前景？

对话嘉宾：

李雅兰 国际燃气联盟（IGU）主席

杨 雷 北京大学能源研究院副院长

贾 颖 切尼尔能源中国区首席执行官

夏学英 施耐德电气中国区副总裁

许 欣 通用电气能源投资（中国）有限公司董事长

孙荣涛 阿美战略投资中国区总裁


王宏伟 利星行能源（昆山）有限公司总经理


曹 阳 贝克休斯全球副总裁、中国区总裁

张 坤 协鑫集成科技股份有限公司执行总裁

Main Forum

New Quality Development Of Future Energy

 September 5, 2024 (Afternoon)

 Multi-function Hall, 2nd Floor, Hall G

Roundtable Discussion

Moderator: Sun Xiansheng, President of the International Society for Energy Transition Studies,
former Secretary General of the International Energy Forum (IEF)

17:00 - 18:00

- **How can we assess the advantages Chinese enterprises have accumulated in technology, cost, and market positioning from the perspective of international energy transition and industrial development trends? What are the opportunities and challenges they face when expanding overseas?**
- **What are the strategies and measures that international companies adopt to invest in and implement low-carbon technologies and businesses in alignment with sustainable development goals?**
- **What successful experiences and insights can be drawn from localization strategies, both in "Going Global" and "Attracting Involvement"? How should we view the prospects for global cooperation?**

Panelists:

Li Yalan, President of the International Gas Union (IGU)

Yang Lei, Deputy Dean of Institute of Energy, Peking University

Maggie Jia, Chief China Officer of Cheniere Energy

Xia Xueying, Vice President of Schneider Electric China

Xu Xin, Chairman of GE Vernova China

Rongtao Sun, President of Strategic Investments, China Region, Saudi Aramco

Hongwei Wang, General Manager of Lei Shing Hong Energy (Kunshan) Co., Ltd.

Yang Cao, President of Baker Hughes China

Kun Zhang, Executive President of GCL System Integration Technology Co., Ltd.

圆桌对话

主持人



孙贤胜 国际能源转型学会会长
国际能源论坛（IEF）前秘书长

参与中国能源五年规划编制与重大政策制定，拥有超过 30 年的油气行业工作经验，积累了丰富的实际产业经验，包括油气生产、贸易和管道建设等各个方面。

对话嘉宾



李雅兰 国际燃气联盟（IGU）主席

曾任北京控股集团有限公司党委常委、副总经理；北京燃气集团党委书记、董事长，现任国际燃气联盟（IGU）2022~2025 年任期主席，2025~2028 年还将担任 IGU 副主席。在燃气行业有三十多年的工作经历，曾入选“改革开放 40 年、能源领袖 40 人”。



杨 雷 北京大学能源研究院副院长

北京大学研究员、能源研究院副院长、碳中和研究院副院长，国际燃气联盟（IGU）协调委员会主席。曾历任国际能源署署长高级顾问，国家发展改革委和国家能源局副司长等职。致力于推动能源转型、能源改革和全球能源治理，参与多项能源政策的研究制定，热心能源的公众普及工作，发表了《能源的未来》等多部能源相关研究著作及大量学术及科普文章。2020 年作为联合创始人参与创立了北京大学能源研究院。



贾 颖 切尼尔能源中国区首席执行官

负责公司在中国的业务拓展和政府事务工作。于 2015 年在新加坡加入切尼尔，2017 年到中国设立办公室。主导了切尼尔与中国石油、中化、新奥和佛燃签署长期购销协议。曾先后在日本三井伦敦公司、摩根士丹利和嘉能可工作，拥有二十余年经验的 LNG 行业领军人物。

Roundtable Discussion

Moderator

Sun Xiansheng

President of the International Society for Energy Transition Studies, former Secretary General of the International Energy Forum (IEF)

He was deeply involved in the Chinese energy five-year plan and many other major policies. With more than 30 years of oil & gas industry working experience, he accumulated practical industry experience in oil and gas production, trading and pipeline construction. He once worked as Chairman of CNPC subsidiary company in Sudan, South Sudan and the countries in Central Asia, and participated in the negotiations with OPEC twice.

Panelists

Li Yalan

President, Council of the International Gas Union (IGU)

Madame Li Yalan was a member of the Standing Committee of the CPC Committee and Deputy General Manager of Beijing Enterprises Group Co., Ltd., the Secretary of the CPC Committee and the Chairperson of Beijing Gas Group Co., Ltd. She is currently the President of International Gas Union (IGU) for the 2022-2025 term and will also serve as the Vice President from 2025-2028. Madame Li Yalan is the first Chinese and also the first female President of IGU. She has more the 30 years of experience working in the gas industry. She has been awarded as one of the "40 energy sector leaders in the 40 years of reform and opening-up in China".

Lei Yang

Deputy Dean of the Institute of Energy, Peking University.

Dr. Lei YANG is Research Professor and Deputy Dean of the Institute of Energy, and Deputy Dean of Institute of Carbon Neutrality, Peking University. He is Chair of International Gas Union coordination committee. He has served as Senior Advisor to the Executive Director Fatih BIROL of the International Energy Agency from 2016 to 2019, Director and Deputy Director General of National Development and Reform Commission and the National Energy Administration of China since 2002. He is committed to promoting energy transition, energy reform, and global energy governance, participated in the research and formulation of a number of energy policies, and is enthusiastic about the Public Awareness of energy transition. He is the author of several popular energy related books such as the future of energy and articles. He was the cofounder of Institute of Energy, Peking University in 2020.

Maggie Jia

Chief China Officer, Cheniere Energy

Maggie serves as the Chief China Officer of Cheniere Energy, in charge of market origination and government affairs in China. She joined Cheniere Energy in Singapore in 2015 and then moved to China to set up Cheniere's China Office in 2017. Under her leadership, Cheniere has signed long-term SPAs (Sale and Purchase Agreements) with CNPC, SinoChem, ENN and Foran. Had worked in Mitsui London, Morgan Stanley and Glencore, she is an LNG industry leader with nearly two decades of experience.



夏学英 施耐德电气中国区副总裁

2018 年加入施耐德电气，现任施耐德电气中国区副总裁，公司事务与可持续发展中国区负责人。主要负责公司对外事务，行业和公共政策的倡导，以及公司与中央政府、地方政府关系的建立和维护。同时还担任中国欧盟商会能源工作组主席，中国国际商会外资委员会副秘书长，跨国公司碳中和 50 人论坛数字碳中和专委会副主席。



许 欣 通用电气能源投资（中国）有限公司董事长

现任 GE Vernova 燃气发电服务中国区总裁、通用电气能源投资（中国）董事长。1994 年加入通用电气，2005 年起任能源服务中国区销售总监后升任至能源服务中国区销售总经理。2015 年 11 月至 2020 年 12 月，担任发电服务中国区总经理。2021 年 1 月起任燃气发电服务中国区总裁。



孙荣涛 阿美战略投资中国区总裁

主要负责在中华区新能源、新材料、节能环保、CCUS 以及低碳燃料等领域的股权投资。在加入沙特阿美之前，曾任中石化资本公司董事总经理，BP 中国新能源总经理等。



王宏伟 利星行能源（昆山）有限公司总经理

上海交通大学 EMBA，现任利星行能源（昆山）有限公司首席运营官，在机械设备、能源系统行业拥有 20 多年从业经验。现主要致力于清洁能源与新能源产品与系统的解决方案与系统集成。包括太阳能、储能、燃气轮机热电联供系统成套生产，以及微电网系统的解决方案。

Kitty Xia

Vice President, Schneider Electric

Joined Schneider Electric in 2018, Kitty Xia is Vice President and Head of Corporate Affairs & Sustainable Development in China. She is responsible for the company's external affairs, including promoting industry and public policies, and building and maintaining the company's relationship with the central and local governments. Kitty Xia also holds position such as Chair of the Energy Working Group at the European Union Chamber of Commerce in China, Deputy Secretary General of the Foreign Investment Committee at the China Chamber of International Commerce, and the Vice Chair of the Digital Carbon Neutrality Special Committee at the Multi-national Corporations Carbon Neutrality 50-person Forum.

Xu Xin

Chairman of General Electric Energy Investment (China)

Mr. Xu Xin is the President of GE Vernova Gas Power China Services, Chairman of General Electric Energy Investment (China). In 1994, Mr. Xu Xin joined General Electric. From 2005, he served as the Sales Director for the Energy Services in China and was later promoted to General Manager of Sales for the Power China Services. In November 2015, he held the position of General Manager of Power China Services. In January 2021, he was named the President of GE Vernova Gas Power China Services.

Rongtao Sun

Head of Strategic Investment, China

Rongtao Sun is the Head of China Strategic Investment, Aramco Ventures, looking after Aramco's strategic investment in new energy, new materials, energy efficiency, CCUS, low-carbon fuels, etc. in China. Before Aramco Ventures, He was the Managing Director of Sinopec Capital. Prior to his role at Sinopec Capital, he was the General Manager of New Energy and Investment for BP China.

Benny Wang

General Manager, Lei Shing Hong Energy

Mr. Benny Wang, EMBA of Shanghai Jiao Tong University, is currently the Chief Operating Officer of LSHE (Kunshan) Co., LTD., with more than 20 years of experience in the mechanical equipment and energy system industry. He is now mainly committed to the solutions and system integration of clean energy and new energy products and systems, including solar energy, energy storage, gas turbine cogeneration system complete production, as well as microgrid system solutions.



曹 阳 贝克休斯全球副总裁、中国区总裁

基于全球能源发展对于中国的关注，受集团全球 CEO 的委托，把对中国的战略性发展与针对性的推进关键性举措作为主要责任，通过加强与内部集团总部、亚太区总部及业务板块的密切配合，从而促进加深与中国油气公司、工业战略大客户以及各级政府的实质性合作。



张 坤 协鑫集成科技股份有限公司 执行总裁

从事新能源行业 16 年。从 Technische Universität Dresden 获得硕士学历后，2007 年至 2014 年期间就职于瑞士梅耶博格集团。2014 年 3 月加入协鑫集团，历任保利协鑫能源控股有限公司营销中心副总经理、协鑫集成科技股份有限公司海外事业部副总裁，协鑫集成科技股份有限公司副总裁。

Cao Yang

President of Baker Hughes China

Mr. Cao Yang is the vice president of Baker Hughes Company and the president of Baker Hughes China. Based on the global energy development's focus on China, he was entrusted by the Baker Hughes global CEO to integrate the strategic development of China with targeted promotion of key measures as the main responsibility, by strengthening close cooperation with the internal product company headquarters, Asia-Pacific headquarters and business sections, so as to promote the deepening of substantive cooperation with Chinese oil and gas companies.

Kun Zhang

Executive President of GCL System Integration Technology Co., Ltd.

Mr. Zhang Kun, has been engaged in the new energy industry for 16 years. After earning his master's degree from the TU Dresden in Germany, he worked with the Meyer Burger Group in Switzerland from 2007 to 2014. He joined GCL Group in March 2014 and served as deputy general manager of the Sales & Marketing Center of GCLPoly Energy Holdings Limited, vice president of the overseas business division of GCL System Integration Technology Co., Ltd., and vice president of GCL System Integration Technology Co., Ltd.

专题论坛

未来能源全球 CTO 论坛

🕒 2024 年 9 月 6 日 上午

📍 苏州国际博览中心 G3 馆博览会论坛区

专题论坛一

—— 突破性技术与应用

主持人：王晓明 中国科学院科技战略咨询研究院产业科技创新研究部部长

- 09:00-09:20

钙钛矿的产业化发展
范 斌 昆山协鑫光电材料有限公司董事长
- 09:20-09:40

“海上风电 +” 能源立体化开发
叶 凡 明阳智慧能源集团股份公司副总裁
- 09:40-10:00

新一代低成本 PEM 电解水制氢催化剂与膜电极组件
王辰博 涌氢（深圳）能源科技有限公司总经理
- 10:00-10:20

先进压缩空气储能技术应用与产业化
纪 律 中储国能（北京）技术有限公司总经理
- 10:20-10:40

光储充智慧综合能源平台
叶晓苇 利星行能源海外业务拓展总经理
- 10:40-11:00

赋能可持续未来：OASE blue 碳捕集技术助力低碳能源转型
湛 波 巴斯夫（中国）有限公司技术 & 销售经理
- 11:00-11:20


泛能网：以数智能源领航助力未来产业腾飞
王 尊 新奥数能科技有限公司首席产品官
- 11:20-11:40

通过数字孪生实现源荷耦合的清洁能源转型
蔡 漪 施耐德电气首席解决方案架构师
- 11:40-12:00

高产低耗的下一代电池材料高温煅烧创新技术
吴 桢 信诺先端热工科技（苏州）有限公司总经理

Parallel Forum

Future Energy Global CTO Forum

 September 6, 2024 (Morning)

 Exhibition Forum Area, Hall G3, Suzhou International Expo Centre

Parallel Forum 1

Breakthrough Technologies and their Applications

Moderator: Wang Xiaoming, Director of Industry Science and Technology Development,
Institutes of Science and Development, Chinese Academy of Sciences

- | | |
|-------------|---|
| 09:00-09:20 | Industrial Development of The Perovskite Technology
Bin Fan , Chairman of Kunshan GCL Optoelectronic Materials Co.,Ltd. |
| 09:20-09:40 | "Offshore wind power +" energy three-dimensional development
Ye Fan , Vice President of Mingyang Smart Energy Group Co., Ltd |
| 09:40-10:00 | Next Gen Cost-effective Catalyst and MEA for PEMWEs
Wang Chenbo ,CEO of H2 Solutions |
| 10:00-10:20 | Application and Industrialization of Advanced Compressed Air Energy Storage Technology
Ji Lv , CEO of CAES Technology (Beijing)Co., Ltd. |
| 10:20-10:40 | Solar Energy Storage and Charging Intelligent Comprehensive Platform
Vivian Ye ,Gm-Energy Overseas Business Development of Lei Shing Hong Energy |
| 10:40-11:00 | Empowering A Sustainable Future: OASE®blue Carbon Capture Technology Assisting Low Carbon Energy Transition
Bob Zhan ,Technical & Sales manager of BASF (China) Co., Ltd. |
| 11:00-11:20 | FANNANG.com, Boosting Future Industry With Leading of Digital Energy
Wang Zun ,CPO of ENN Digital Energy Technology Co., Ltd. |
| 11:20-11:40 | Energy Transition through coupled power and process digital twin
Gloria Cai , Chief Solution Architect, Schneider Electric |
| 11:40-12:00 | Innovative High-Temperature Calcination Technology for Next-Generation High-Yield, Low-Consumption Battery Materials
Wu Zhen Founder and General Manager, CinoApex Thermo Technology (Suzhou) Co. Ltd. |

专题论坛一

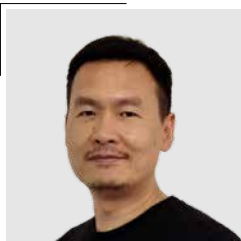
主持人



王晓明 中国科学院科技战略咨询研究院产业科技创新研究部部长

中国科学院科技战略咨询研究院研究员，先后任职重任部研究员和科技发展战略研究所副所长，现任产业科技创新研究部部长，主要研究产业科技融合创新，重点研究战略性新兴产业和未来产业、数字经济和绿色低碳产业。

演讲嘉宾



范 斌 昆山协鑫光电材料有限公司董事长

昆山协鑫光电材料有限公司董事长、法定代表人，全国工商联新能源商会副会长。范斌团队自 2013 年开始专注钙钛矿商业组件的研发与生产，是大面积钙钛矿组件光电转化效率世界纪录保持者。公司获得广西腾讯创投、凯辉资本、IDG、红杉、淡马锡等一线投资机构投资，连续多年获“中国潜在独角兽企业”等荣誉称号。



叶 凡 明阳智慧能源集团股份公司副总裁

现任明阳智能副总裁，2008 年毕业以来一直从事海陆风电机组的开发与研究工作，历任大风机市场总监、风能设计院系统设计总工，参与了陆上公司 1.5-4.0 兆瓦级别风机产品的开发和大型风电场基地项目的规划设计、建设和评估的工作。2015 年以来带领团队主导研发陆上 3 兆瓦及海上 5.5/8.0 兆瓦级机组。



王辰博 涌氢（深圳）能源科技有限公司总经理

山东大学应用物理学学士，剑桥大学核能工程硕士，牛津大学物理化学博士，前牛津大学（苏州）高等研究院研究员。2023 年创办涌氢（深圳）能源科技有限公司，获得 GRC 富华资本数千万元天使轮投资。



纪 律 中储国能（北京）技术有限公司总经理

山东大学应用物理学学士，剑桥大学核能工程硕士，牛津大学物理化学博士，前牛津大学（苏州）高等研究院研究员。2023 年创办涌氢（深圳）能源科技有限公司，获得 GRC 富华资本数千万元天使轮投资。

Parallel Forum 1

Moderator

Wang Xiaoming

Director of the Research Department of Industrial Technology Innovation, Chinese Academy of Sciences

Institutes of Science and Development, Chinese Academy of Sciences, Research Fellow. He successively served as a research fellow of the Department of Responsibility and the deputy director of the Institute of Science and Technology Development Strategy. He is currently the director of the Research Department of Industrial Technology Innovation. He mainly studies industrial technology integration and innovation, focusing on strategic emerging industries and future industries, digital economy, and low-carbon industries.

Keynote Speeches

Bin Fan

Chairman Of Kunshan GCL Optoelectronic Materials Co.,Ltd.

Chairman and legal representative of Kunshan GCL Optoelectronic Materials Co., Ltd., vice-president of the Chamber of Commerce for All-China Federation of Industry and Commerce new energy. From 2000 to 2006, he obtained his bachelor's and master's degree in chemistry from Tsinghua University, and from 2007 to 2010, he obtained his doctor's degree in chemistry from EPFL, Switzerland. Fan bin's team has been focusing on the development and production of commercial perovskite modules since 2013 and is the world record holder in the efficiency of large-area perovskite modules. The company has been invested by Guangxi Tencent Venture Capital, Hubei Kaihui Smart New Energy Fund, IDG, Sequoia, Temasek and other first-line investment institutions.

Ye Fan

Vice President, Mingyang Smart Energy Group

Ye Fan, currently vice president of Mingyang Smart Energy Group, has been engaged in the R&D of onshore and offshore wind turbine generators (WTGs) since graduation in 2008.

He has successively served as the market director and chief design engineer of large MW WTGs system of the Design Institute. He participated in the development of 1.5-4.0 MW onshore wind WTGs and the design, construction and evaluation of large-scale wind farms. Since 2015, he has led the team in the R&D of 3MW onshore WTGs, and participated in the R&D of 5.5/8.0MW offshore WTGs, promoting the new era of larger onshore and offshore WTGs in China.

Chenbo Wang

Founder of H2 Solutions

Founder of H2 Solutions. Former Research Scientist at Oxford Suzhou Center for Advanced Research, D.Phil in Physical and Theoretical Chemistry from the University of Oxford, M.Phil in Nuclear Energy from the University of Cambridge, and BSc in Applied Physics from Shandong University.

Lv Ji

General Manager, ZHONG-CHU-GUO-NENG(BEIJING) TECHNOLOGY

Mr. Lv Ji joined ZHONG-CHU-GUO-NENG(BEIJING) TECHNOLOGY CO.,LTD. as General Manager and was named the General Manager of Huake Super Energy (Beijing) Energy Technology Co., Ltd. Meanwhile he also led the Industrialization Department of the Energy Storage Research Center at the Institute of Engineering Thermophysics, Chinese Academy of Sciences as a senior engineer.



叶晓苇 利星行能源海外业务拓展总经理

在利星行工作 14 年，在能源系统行业拥有多年的从业经验，对国内外的传统能源市场和新能源市场有系统了解，目前专注开发欧洲光储市场，以及中东、东南亚、非洲等微网市场。



湛波 巴斯夫（中国）有限公司技术 & 销售经理

天津大学化学工程硕士，12 年 + 气体处理经验。



王尊 新奥数能科技有限公司首席产品官

主要负责泛能网智能产品规划、设计、落地推广。作为资深的产业物联网、边缘计算、能碳数智化产品专家，曾任霍尼韦尔中国区楼宇智能架构师、百度智能云物联网和能源数智化部门产品负责人，规划设计多个产业物联网平台、消费电子物联网平台、能碳数智化平台。



蔡漪 施耐德电气首席解决方案架构师

现任施耐德电气中国服务业务创新及数字化转型咨询顾问，拥有 20 年 + 跨国公司的从业经验，多年项目及市场管理经验，其中包括 8 年全球业务的市场管理工作。IT 背景，有参与多个数字化应用产品的开发经验。擅长可持续发展规划，数字化整体解决方案业务架构并实现电力自动化与流程自动化的融合价值。



吴桢 信诺先端热工科技（苏州）有限公司总经理

吴桢博士，2002 年在清华大学获得硕士学位，2007 年在明尼苏达大学获得材料学博士学位。毕业后，在多家知名跨国企业担任研发和管理工作。在创业前，在国内知名上市企业平台上创建并领导锂电正极材料业务。2021 年与热工专家合作成立信诺先端，开发、定制工业化材料热加工技术的创新方案，并提供先进的热工设备。

Vivian Ye

GM-Energy Overseas Business Development, Lei Shing Hong Energy

Ms. Ye, General Manager of Overseas Business Development of Lei Shing Hong Energy, has worked for Lei Shing Hong for 14 years and has many years of experience in the energy system industry. She has a systematic understanding of domestic and international traditional energy markets and new energy markets, and is currently focusing on the development of Europe's photovoltaic storage market, as well as micro-grid markets in the Middle East, Southeast Asia, and Africa.

Bob Zhan

Technical & Sales manager, BASF (China)

Master in Chemical Engineering, Tianjin University, China. 12 years+ experience in gas treatment.

Wang Zun

CPO, ENN Digital Energy Technology

With main responsibilities of planning, designing, implementing and promoting intelligent products at ENN Digital. As an expert specialized in industrial IoT, edge computing, energy-carbon digitalization products, WANG Zun had taken some prominent working roles, including Intelligent Building Architect for Honeywell in Great China, Product Lead for IoT and Energy Digitalization at Baidu Intelligent Cloud, leading to the success of several industrial IoT platforms, e-commercial IoT platform and energy-carbon digitalization Platform.

Gloria Cai

Principle Solution Architect, Schneider Electric

Senior consultant for sustainability, business innovation and digital transformation in Schneider Electric, bringing over 20 years of experience in multinational corporations and 10+ years in consulting. With a background in IT, has participated in the development of various digital applications and excels in sustainable development planning and the overall architecture of digital solutions. Extensive experience in digital projects, blending the values of power automation and process automation.

Wu Zhen

Founder and General Manager, CinoApex Thermo Technology (Suzhou)

Dr. Zhen Wu, the founder and the general manager of CinoApex Thermo Technology (Suzhou) Co., Ltd, is an industrial veteran for inorganic materials. After completed academic education in Tsinghua university in China, He studied material science in University of Minnesota in U.S. and got Ph.D. degree in 2007. After graduation, he pursued his professional career in several famous international companies, growing from a principal scientist to a business leader for cathode material division. With a kiln expert together, they founded CinoApex in 2021 to develop an innovative kiln system to improve productivity and reduce energy consumption remarkably for the calcination of battery active materials.

专题论坛

碳中和产业合作

🕒 2024 年 9 月 6 日 下午

📍 苏州国际博览中心 G3 馆博览会论坛区

专题论坛二


—— 低碳转型与产业协同合作

主持人：张葵叶 中国能源网副总经理、中国能源研究会双碳产业合作分会副秘书长

- 14:00-14:20 **电氢碳协同促进新能源高质量发展**
周原冰 全球能源互联网发展合作组织经济技术研究院院长
- 14:20-14:40 **新型能源 新质发展**
白建华 浙江清华长三角研究院新型能源体系研究中心主任
- 14:40-15:00 **南方区域电碳核算体系构建探索**
罗理鉴 南网碳资产管理有限公司副总经理
- 15:00-15:20 **苏州能源集团服务地区低碳发展的实践分享**
严 威 苏州吴都能源发展有限公司副总经理
- 15:20-15:40 **碳核查与碳交易**
黄一钊 协鑫能科晟能公司总经理
- 15:40-16:00 **新型电力系统成果转化与应用实践探索**
屈振军 北京能见科技有限公司副总经理
- 16:00-16:20 **国内外碳捕集封存减排量认证介绍**
刘忠勇 必维国际检验集团新能源业务总监

Parallel Forum

Carbon Neutrality Industry Cooperation

 September 6, 2024 (Afternoon)

 Exhibition Forum Area, Hall G3, Suzhou International Expo Centre

Parallel Forum 2

Low Carbon Transition and Industrial Synergy

Moderator: Zhang Kuiye, Deputy General Manager of China Energy Network
and Deputy Secretary General of the Specialized Committee on Dual-Carbon Industry Cooperation, CERS

- 14:00-14:20 **Collaborative Development of Electricity, Carbon and Hydrogen**
Zhou Yuanbing, Director General of the Economic and Technology Research Institute of Global Energy
Interconnection Development and Cooperation Organization (GEIDCO)
- 14:20-14:40 **Innovative Development of New Energy**
Bai Jianhua, Director of New Energy System Research Center of Yangtze Delta Region Institute of
Tsinghua University Zhejiang
- 14:40-15:00 **Exploration on the Construction of Electricity Carbon Emission Accounting System in
Southern China**
Luo Lijian, Deputy General Manager of Southern Power Grid Carbon Asset Management Co., Ltd
- 15:00-15:20 **Low-carbon Development Practice of Suzhou Energy Group**
Yan Wei, Deputy General Manager of Suzhou Energy Technology Development Co., Ltd
- 15:20-15:40 **Carbon verification and carbon trading**
Yizhao Huang, General Manager of Shengneng Company, GCL Energy Technology Co., Ltd.
- 15:40-16:00 **New Power System Technology Commercialization and Application**
Qu Zhenjun, Deputy General Manager of Beijing Nengjian Technology Co., Ltd
- 16:00-16:20 **Introduction to Carbon Capture, Storage, and Emission Reduction Certification at Home and
Abroad**
Zhongyong Liu, New Energy Business Director, Bureau Veritas

专题论坛二

主持人



张葵叶 中国能源网副总经理
中国能源研究会双碳产业合作分会副秘书长

一直从事能源行业信息及研究咨询服务，目前主要从事双碳产业合作、分布式能源、可再生能源及多能融合方面的政策研究、投融资、市场调查及项目开发工作。先后获得国家能源局软科学研究二等奖 1 项，三等奖 2 项。

演讲嘉宾



周原冰 全球能源互联网发展合作组织经济技术研究院院长

教授级高工，国务院政府特殊津贴专家，中国可再生能源学会理事、可再生能源发电并网专委会副主任、中电联氢能分会副主任、中国能源研究会碳中和专委会委员，积极推动能源转型和国际能源合作，主持和参与近百项重大研究咨询课题以及国际合作项目，出版多部研究报告和专著，发表论文数十篇，获得国家级等科技成果奖 50 多项。



白建华 浙江清华长三角研究院新型能源体系研究中心主任

清华大学工学博士，享受国务院政府特殊津贴专家、正高级工程师、兼职教授。现任浙江清华长三角研究院新型能源体系研究中心主任。



罗理鉴 南网碳资产管理有限公司副总经理

特许金融分析师（CFA）、金融风险管理师（FRM），高级工程师。现任南网碳资产管理公司副总经理，多年从事碳排放管理、碳资产开发与交易、绿色金融等工作。曾在南网总调、全球能源互联网发展合作组织、南方电网资本控股公司、南网建鑫基金管理公司、瑞恒保险经纪公司工作，具有产业与金融跨领域的工作经历。

Parallel Forum 2

Moderator

Zhang Kuiye

Vice President of China Energy Net, Deputy Secretary-General of Specialized Committee on Dual-Carbon Industry Cooperation, CERS

She has been engaged in information and research consulting services in the energy industry and currently focuses on policy research, investment and financing, market surveys, and project development in the fields of dual carbon industry cooperation, distributed energy, renewable energy, and multi-energy integration. She has successively won one Second Prize and two Third Prizes in Soft Science Research awarded by the National Energy Administration.

Keynote Speeches

Zhou Yuanbing

Director-General of Economic and Technology Research Institute, GEIDCO

Professorate senior engineer, State Council Government Special Allowance Expert, Council Member of China Renewable Energy Society, Deputy Chair of the Renewable Integration Committee of China Renewable Energy Society, Deputy Chair of Hydrogen Energy Branch of China Electricity Council, Member of the Committee on Carbon Neutrality of China Energy Research Society. He has been actively promoting the energy transition and international cooperation. He has led and participated in nearly a hundred major research projects and international programs. He has published multiple research reports and books, as well as dozens of papers. He has won more than 50 national, industrial and company-level science and technology achievement awards.

Bai Jianhua

Director, New Energy System Research Center Yangtze Delta Region Institute of Tsinghua University, Zhejiang

PhD in Engineering and part-time professor. The current director of the New Energy System Research Center Yangtze Delta Region Institute of Tsinghua University, Zhejiang.

Lijian Luo

Deputy General Manager, CSG Carbon Asset Management

Luo Lijian, CFA, FRM, Senior Engineer, is currently the deputy general manager of CSG Carbon Asset Management Co., Ltd., and has been engaged in carbon emission management, carbon asset development and trading, and green finance for many years. He has served in CSG Power Dispatching Control Center, Global Energy Interconnection Development and Cooperation Organization, China Southern Power Grid Capital Holding Company, CSG Jianxin Private Fund Management Company, and Ruiheng Insurance Brokerage Company, possessing cross-field work experience in industry and finance.



严 威 苏州吴都能源发展有限公司副总经理

严威先生担任苏州吴都能源发展有限公司副总经理，负责分管新能源项目的投资和财务管理。他凭借丰富的经验和深厚的专业知识，推动公司在能源领域实现快速发展。他对新能源行业有着的深刻理解和前瞻性思考，能够准确把握市场趋势，制定科学合理的投资策略，为公司的持续发展提供有力保障。



黄一钊 协鑫能科晟能公司总经理

黄一钊，毕业于清华大学，目前在协鑫能源科技股份有限公司担任晟能公司总经理职务。



屈振军 北京能见科技有限公司副总经理

能见科技项目开发中心负责人，致力于电力市场、新能源开发及电碳一体化市场项目开发和投资工作。



刘忠勇 必维国际检验集团新能源业务总监

从事氢能业务超过 25 年，现任必维中国氢能业务总监，中国氢能标委会观察员，业务覆盖从生产、压缩、运输、加注各种工艺技术路线覆盖氢能整个产业价值链。曾经任职于林德、液空气体公司及中石化等大型企业。

Wei Yan

Deputy General Manager, Suzhou Wudu Energy Development

Mr. Yan Wei is the Deputy General Manager of Suzhou Wudu Energy Development Co., LTD., responsible for the investment and financial management of new energy projects. With his extensive experience and deep expertise, he has driven the company's rapid growth in the energy sector. Yan Wei has a deep understanding and forward-looking thinking of the new energy industry, he can accurately grasp the market trends, formulate scientific and reasonable investment strategies, and provide a strong guarantee for the sustainable development of the company.

Yizhao Huang

General Manager, Shengneng Company, GCL Energy Technology

Huang Yizhao, graduated from Tsinghua University, currently serves as the General Manager of Shengneng Company at GCL Energy Technology Co., Ltd.

Qu ZhenJun

Vice General Manager, Beijing Nengjian Technology Development

Head of Project Development Center at NengJian Technology, dedicated to project development and investment in the new electricity system, new energy development, and the integrated electricity and carbon market.

Liu Zhongyong

New Energy Business Director, Bureau Veritas China

Mr. Liu Zhongyong has been engaged in hydrogen energy business for more than 25 years. He is currently the Hydrogen Energy Business Director of Bureau Veritas China and an observer of China Hydrogen Energy Standardization Committee. His business covers the entire hydrogen energy industry value chain from production, compression, transportation, and refueling. He has worked for large enterprises such as Linde, Air Liquide, and Sinopec.

专题论坛

先进核能－聚焦核聚变

🕒 2024 年 9 月 6 日 下午

📍 苏州国际博览中心 G3 馆博览会论坛区

专题论坛三

—— 先进核能驱动未来能源变革

主持人：刘金宏 中国能源研究会核能专业委员会秘书长

- 16:20-16:40

玲龙一号技术方案与工程进展
宋丹戎 中国核动力研究设计院总工程师
- 16:40-17:00

宽能谱超高通量试验堆设计特点及应用前景
石 磊 清华大学核能与新能源技术研究院常务副院长
- 17:00-17:20


基于紧凑托卡马克的往复式聚变堆技术及其进展
谭 熠 清华大学工程物理系副教授、星环聚能首席科学家
- 17:20-17:40

磁约束核聚变发展及展望
刘志宏 聚变新能（安徽）有限公司副总经理
- 17:40-18:00

新奥球形环氢硼聚变路线规划
王 雁 新奥能源研究院国际生态合作部主任

Parallel Forum

Advanced Nuclear Energy - Focus on Nuclear Fusion

 September 6, 2024 (Afternoon)

 Exhibition Forum Area, Hall G3, Suzhou International Expo Centre

Parallel Forum 3 Advanced Nuclear Energy Driving the Future Energy Transition

Moderator: Liu Jinhong, Secretary General of Nuclear Energy Committee, China Energy Research Society

- 16:20-16:40

ACP 100 Technology and Progress

Song Danrong, Chief Designer, Nuclear Power Institute of China
- 16:40-17:00

Tsinghua High Flux Reactor - Design Characteristics and Application Prospects

Shi Lei, Executive Vice President of the Institute of Nuclear and New Energy Technology at Tsinghua University
- 17:00-17:20

Compact Tokamak Based Reciprocating Fusion Reactor Technology and Progress

Tan Yi, Associate Professor of Engineering Physics at Tsinghua, Chief Scientist of Startorus Fusion
- 17:20-17:40

Development and Prospects of Magnetic Confinement Fusion

Liu Zhihong, Deputy General Manager of Neo Fusion (Anhui) Co., Ltd
- 17:40-18:00

ENN Spherical Torus based Proton-Boron Fusion Roadmap

Wang Yan, Director of International Cooperation Department of ENN Energy Research Institute

专题论坛三

主持人



刘金宏 中国能源研究会核能专业委员会秘书长

1983 年 7 月毕业于东南大学电厂热动力专业，主要从事无损检测、在役检查专业工作以及企业合规管理工作，研究员级高级工程师，无损检测三级人员，现任中国广核集团苏州热工研究院有限公司总法律顾问。兼任中国能源研究会核能专业委员会秘书长、苏州无损检测协会会长。2018 年苏州市劳动模范。

演讲嘉宾



宋丹戎 中国核动力研究设计院总工程师

中核集团模块化小型堆学科带头人；中核集团及核动力院模块化小型堆科研专项总设计师。一直主持和从事核技术预研、中国工程试验堆、反应堆低浓化研究、核能海水淡化堆研究、医用同位素堆研究、模块化多用途小型堆、浮动核电站研发等领域的技术研究工作，主导完成的科研成果获得 2 项部级三等奖，2 项集团公司二等奖，2 项集团公司三等奖，1 项行业协会三等奖等多项奖励，1 项国防科技工业企业管理创新成果二等奖，获得 30 余项发明专利，发表了 15 篇高水平科研论文。



石磊 清华大学核能与新能源技术研究院常务副院长

长期从事反应堆物理热工、事故分析、仿真技术、自动控制等工程设计和科学研究工作，开展超高温堆、空间堆、高通量堆、移动微堆等先进堆型的研发，主持和参与国家重大专项、国家“863”重点项目、国家重点研发计划、科工局核能开发项目等多个课题。目前担任国际四代堆论坛专家组中国代表，超高温气冷堆计算方法验证与基准项目管理委员会主席。发表学术论文 150 余篇，获 20 余项发明专利及软件著作权。



谭熠 清华大学工程物理系副教授、星环聚能首席科学家

2009 年获得清华大学工学博士学位，2011 年至今，在清华大学工程物理系任教。主要从事磁约束受控核聚变教学和科研。开展核聚变研究超过 20 年，在脉冲大功率电源、大功率微波、高真空、等离子体控制、新型等离子体诊断等方面具有丰富的经验和深厚的造诣。负责设计、建造并运行了中国目前磁场最强、性能最高的球形托卡马克 SUNIST—2，并作为第一发明人提出了一种新概念核聚变路线。

Parallel Forum 3

Moderator

Liu Jinhong

Secretary-General, Nuclear Energy Professional Committee, CERS

Graduated in July 1983 from the Power Plant Thermal Energy and Power Engineering major at Southeast University, mainly engaged in non-destructive testing, in-service inspection professional work, and corporate compliance management, a senior engineer at the research level, a level-3 non-destructive testing personnel, currently serving as the Chief Legal Advisor of China Guangdong Nuclear Group Suzhou Thermal Engineering Research Institute Co., Ltd. He also serves as the Secretary-General of the Nuclear Energy Professional Committee of China Energy Research Association and the President of Suzhou Non-Destructive Testing Association. He was named a labor model of Suzhou in 2018.

Keynote Speeches

Danrong Song

Chief Designer, Nuclear Power Institute of China

Dr. Danrong SONG is the chief designer at the Nuclear Power Institute of China. Dr. Song graduated and obtained his PhD degree of Engineering in Nuclear Science. He has worked as the chief designer of the SMR demonstration project ACP100 in China and specializes in small and medium reactor design, isotopic production, seawater desalination, and low temperature nuclear heating plant feasibility studies.

Shi Lei

Executive Deputy Director, Institute of Nuclear and New Energy Technology at Tsinghua University

Has long been engaged in engineering design and scientific research work in reactor physics, thermal engineering, accident analysis, simulation technology, and automatic control, and has carried out research and development of advanced reactor types such as ultra-high temperature reactors, space reactors, high-flux reactors, and mobile micro-reactors. He has led and participated in several projects including major national special projects, national "863" key projects, national key R&D plans, and nuclear energy development projects of the Science and Technology Commission. He currently serves as the Chinese representative of the expert group of the International Generation IV Forum and the chairman of the Management Committee for the Verification and Benchmarking Project of the Ultra-High Temperature Gas-Cooled Reactor Calculation Method. He has published over 150 academic papers and obtained more than 20 invention patents and software copyrights.

Tan Yi

Associate Professor, Tsinghua University, Chief Scientist Startorus Fusion

His Doctor of Engineering degree from Tsinghua University in 2009, and has been teaching at the Department of Engineering Physics, Tsinghua University since 2011. Tan Yi mainly engages in teaching and research on magnetic confinement controlled nuclear fusion. With over 20 years of experience in nuclear fusion research, he has rich experience and profound expertise in pulsed high-power power supplies, high-power microwaves, high vacuum, plasma control, and new types of plasma diagnostics. He is responsible for the design, construction, and operation of SUNIST-2, currently the spherical tokamak with the strongest magnetic field and highest performance in China, and as the first inventor, he has proposed a new concept of nuclear fusion route.



刘志宏 聚变新能（安徽）有限公司副总经理

中国科学院青促会优秀会员，国家“十三五”重大科技基础设施“聚变堆主机关键系统综合研究设施（CRAFT）”副总工艺师，特种焊接技术安徽省重点实验室主任，安徽省学术和技术带头人。主要从事磁约束核聚变装置、特种焊接技术应用等相关研究工作。承担国家大科学工程、科技部重点研发、中科院大科学中心重点研发等项目；获中国专利奖金奖 1 项、安徽省科学技术一等奖 2 项。在 Nuclear Fusion 等期刊发表论文 40 余篇，授权国家发明专利 30 余项，国际专利 3 项，起草国家标准 1 项，地方标准 4 项。



王雁 新奥能源研究院国际生态合作部主任

北京大学博士，新奥能源研究院国际生态合作部主任。先后从事太阳能电池、二氧化碳转化等技术研发工作，并长期负责清洁能源技术研发生态建设工作，与国内外研发机构建立了广泛而密切的合作关系，通过创新合作形式，形成了超过 800 家的合作伙伴资源库，链接国内外技术专家 300 多名，建立起合作项目 200 多项。

Liu Zhihong

Deputy General Manager of Neo Fusion

Outstanding member of the Youth Innovation Promotion Association of the Chinese Academy of Sciences, Deputy Chief Process Engineer of the national "13th Five-Year" major scientific and technological infrastructure "Comprehensive Research Facility for Fusion Reactor Key System (CRAFT)", Director of the Key Laboratory of Special Welding Technology in Anhui Province, and a leader in academic and technical fields in Anhui Province. He is mainly engaged in research related to magnetic confinement nuclear fusion devices and the application of special welding technology. He has undertaken projects such as the national major science project, key research and development by the Ministry of Science and Technology, and key research and development by the Chinese Academy of Sciences's major science centers. He has won one Gold Award of China Patent and two First Prizes of Science and Technology in Anhui Province. He has published more than 40 papers in journals such as Nuclear Fusion, and has been authorized more than 30 national invention patents, three international patents, drafted one national standard, and four local standards.

Wang Yan

Director, Department of International Ecological Cooperation, ENN Energy Research Institute

Wang Yan, Ph.D. from Peking University, is the Director of the International Ecological Cooperation Department at ENN Energy Research Institute. With a rich background in R&D, she has spearheaded projects in solar cell technology and carbon dioxide conversion, and has been in charge of the ecological construction of clean energy technologies for a long time. Her efforts have cultivated robust and intimate partnerships with domestic and international institutions. Through innovative collaboration models, she has amassed a diverse partner resource pool exceeding 800 members. Additionally, she has facilitated the networking of over 300 technical experts and has successfully established more than 200 collaborative projects.

专题论坛

“AI+” 赋能绿色低碳转型

🕒 2024 年 9 月 7 日上午

📍 苏州国际博览中心 G3 馆博览会论坛区

专题论坛四

—— 数智化技术与能源未来

主持人：房 伟 江苏省人工智能学会秘书长

- 09:00 – 09:20

人工智能引领下的能源变革
崔 靖 协鑫能科智算公司执行总裁
- 09:20 – 09:40

AI 对数据中心的影响
杜 坤 华为数字能源中国区产品总监
- 09:40 – 10:00

AI 赋能绿色能源数智化的探索与实践
张永铅 远光软件股份有限公司人工智能事业部总经理
- 10:00 – 10:20


构建数智化物联感知生态圈
慕安训 水发集团山东省多能互补产业技术研究院有限公司副董事长
- 10:20 – 10:40

人工智能技术在变电运检领域的探索与实践
吴言枫 国电南京自动化股份有限公司高级设计师
- 10:40 – 11:00

艾默生风光储氢氨醇价值链解决方案概述
陈 鹏 艾默生过程控制有限公司解决方案高级顾问

Parallel Forum

"AI+" Empowering Green and Low-Carbon Transition

 September 7, 2024 (Morning)

 Exhibition Forum Area, Hall G3, Suzhou International Expo Centre

Parallel Forum 4

Digital Intelligence Technology and the Future of Energy

Moderator: Fang Wei, Secretary General, JiangSu association of Artificial Intelligence

- | | |
|-------------|--|
| 09:00-09:20 | The energy revolution led by AI
Oliver Cui , CEO of GCL-AI |
| 09:20-09:40 | AI Impact on the Data Center
Ken Du , Product Director of Huawei Digital Energy Data Center |
| 09:40-10:00 | Exploration and Practice of AI Empowerment in the Digital Transformation of Green Energy
Yongqian Zhang , General Manager of the Artificial Intelligence Division at Yuanguang Software Co., Ltd. |
| 10:00-10:20 | Building a Digitalized IoT Sensing Ecosystem
Anxun Qi , Vice Chairman of Shandong Multi Energy Complementary Industry Technology Research Institute Co., Ltd. of Shuifa Group |
| 10:20-10:40 | Exploration and Practice of Artificial Intelligence Technology in the Field of Substation Operation and Inspection
Yanfeng Wu , Senior Designer of Guodian Nanjing Automation Co., Ltd |
| 10:40-11:00 | Overview of Emerson's wind and solar hydrogen storage and ammonia alcohol value chain solutions
Peng Chen , Sr. Consultant, Emerson Process Management |

专题论坛四

主持人



房 伟 江苏省人工智能学会秘书长

高级工程师，目前主要从事软件、人工智能等新一代信息技术产业发展研究。参与制定江苏省大数据、人工智能产业相关发展政策，主持省多项省级产业课题研究和标准制定。

演讲嘉宾



崔 靖 协鑫能科智算公司执行总裁

超过 20 年世界 500 强公司的领导经验，对能源、金融、政府服务及人工智能相关领域有深入理解。经历了完整的数字行业发展周期，对全球人工智能产业生态发展变化的全面把握。



杜 坤 华为数字能源中国区产品总监

从事数据中心产业领域相关工作超过 15 年以上，在研发，市场，解决方案销售等领域均有任职，目前负责中国区数据中心产品整体上市与市场拓展工作。



张永铅 远光软件股份有限公司人工智能事业部总经理

远光软件股份有限公司人工智能事业部总经理，主导公司人工智能产品线的规划、设计研发、产品销售和运营工作，负责人工智能事业部的团队规划、人才培养和团队建设工作，20 年的咨询、研发管理经验，主导和参与了多家大型集团企业多维精益管理、机器人、企业智能化软硬一体应用等多个产品和项目研发。

Parallel Forum 4

Moderator

Fang Wei

Secretary-General, JiangSu association of Artificial Intelligence

Wang Wei, Senior Engineer, currently focuses on the research and development of software, artificial intelligence, and other cutting-edge information.

Keynote Speeches

Oliver Cui

CEO of GCL-AI

Oliver Cui, with more than 20 years of leadership experience in Fortune 500 companies, has an in-depth understanding of energy, finance, government services and AI related fields. He has experienced the complete development cycle of the digital industry, and has a comprehensive grasp of the ecological development and change of the global AI industry.

Ken Du

Product Director of Huawei Digital Energy Data Center

Have worked in the data center for more than 15 years and held positions in R&D, marketing, and solution sales. Currently, take charge of the overall go-to-market and market expansion of data center products in the China Region.

Yongqian Zhang

General Manager of Artificial Intelligence Division, Yuanguang Software

General Manager of the Artificial Intelligence Division at Yuanguang Software Co., Ltd., leading the planning, design, research and development, product sales, and operation of the company's artificial intelligence product line. I am responsible for team planning, talent cultivation, and team building in the Artificial Intelligence Division. With 20 years of consulting and R&D management experience, I have led and participated in the research and development of multiple products and projects, including multidimensional lean management, robotics, and enterprise intelligence software and hardware integrated applications, in many large group enterprises.



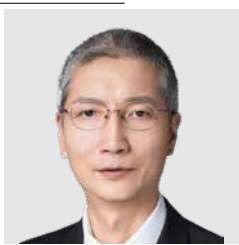
綦安训 水发集团山东省多能互补产业技术研究院有限公司
副董事长

中国能源研究会分布式能源专委会第二届主任委员会副主任委员、教授、住建部计量与节能中心特聘专家、国家能源区域综合智慧能源系统研发中心秘书长。获 2007 年全国第三届 MBA 十大精英人物奖；2018 年中国分布式能源杰出贡献人物奖。在业内首创奥能网（Eaas, Energy-as-a-Service（能源即服务））。首位发明专利 6 项，电路布图 4 项，发表 SCI 文篇 1 篇，国内核心期刊 10 余篇。



吴言枫 国电南京自动化股份有限公司高级设计师

中国科学技术大学博士后。南京市紫金山英才，中国人工智能学会、中国电机工程学会会员，《中国光学》、《光学精密工程》等期刊审稿人。



陈 鹏 艾默生过程控制有限公司解决方案高级顾问

拥有 20 多年的流程行业自动化经验，通过挖掘工厂数字化转型潜力助力用户改善运营绩效。现在专门从事流程工厂的数字化转型业务规划；曾任职销售工程师，项目高级工程师，服务经理，方案经理，方案主管，数字化转型业务顾问，智能化工厂解决方案构架师，高级顾问。

Qi Anxun

Deputy Chairman, Shandong Multi-energy Complementary Industry Technology Research, Shuifa Group

Qian Xun is the Vice Chairman of the Second Distributed Energy Committee of the China Energy Research Society, a professor, a distinguished expert at the Ministry of Housing and Urban-Rural Development's Metrology and Energy Conservation Center, and the Secretary-General of the National Energy Regional Integrated Smart Energy System R&D Center. He was awarded the 2007 National Top Ten MBA Elites and the 2018 Outstanding Contributor to Distributed Energy in China. He pioneered the concept of Energy-as-a-Service (EaaS) with the creation of Aoneng Network. He holds 6 invention patents and 4 circuit layout patents, has published 1 SCI paper, and over 10 papers in domestic core journals.

Yanfeng Wu

Senior Designer, Guodian Nanjing Automation

Senior designer at Guodian Nanjing Automation Co., Ltd. and postdoctoral fellow at the University of Science and Technology of China. Nanjing Zijinshan Talent, member of China Artificial Intelligence Society and China Electrical Engineering Society, reviewer of China Optics, Optical Precision Engineering and other journals.

Chen Peng

Sr. Consultant, Emerson Process Management

With more than 20 years of experience in process industry automation, he helps users improve operational performance by tapping into the potential digital transformation of factories. Now he specializes in digital transformation business planning for process factories; previous positions – sales engineer, senior project engineer, service manager, solution manager, solution supervisor, digital transformation business consultant, smart factory solution architect, senior consultant.

全球领先的能源科技服务商

GLOBAL LEADING ENERGY TECHNOLOGY SERVICE PROVIDER

关于协鑫

协鑫集团创立于1990年，是一家在碳达峰、碳中和目标引领下，以风光储氢氨醇等多种形式的新能源、清洁能源与可再生能源为主体，坚持科技引领、数字赋能，围绕硅材料、锂材料、碳材料和集成电路核心材料，进行能源科技创新，以材料革命带动制造革命和应用革命。通过电力+储能+算力三位一体，赋能能源数字化智能化发展，实现源网荷储、充换售算检云多业态耦合，助推建设新型能源体系。

协鑫集团概述

全球新能源企业 500强（Top 2）

全球绿色能源理事会主席单位

中国民营企业500强（第40位）

中国能源（集团）500强

中国最具价值品牌500强（第50位）

中国电力企业联合会副理事长单位

中国企业500强（第149位）

硅、锂、碳等新材料研发与制造商

中国半导体材料产业领跑者



把绿色能源带进生活
Bringing **Green** Power to Life

一站式能源解决方案

光伏组件&光伏电站

光伏发电
电站投资



储能系统解决方案

户用型储能系统
工商型储能系统
集装箱型储能系统



能源管理解决方案

光伏项目
储能项目
充电桩项目
微电网能源站项目



智慧能源管理平台

大型工厂
工业园区



10+ 模式
多元化合作模式



1 GW
新能源累计装机量



130+
业务覆盖城市



200%
年度销售增加

利星行能源是香港跨国集团企业——利星行机械集团于2017年投资的全资子公司。

作为专业的绿色能源投资方，利星行能源提供多元化产品和业务合作模式，满足客户的差异化需求。能源业务涵盖光伏组件与分布式光伏电站、储能设备与储能系统集成、光储系统开发，智慧能源管理平台搭建与运维，并提供燃气发电设备。利星行能源以灵活便捷的合作方式开展能源项目建设、管理和投资，提供绿色金融服务，并配备全方位的售后支持和技术服务。



江苏省昆山市昆太路432号



<http://www.lsh-energy.com>



4008213319



构建企业管理大模型

打造AI+智能应用场景

依托多年来服务能源电力企业沉淀的业财数据、业务处理规则，基于通用基础大模型”底座，结合业务场景和数据进行微调，构建企业管理大模型及向量数据库，将数智化技术与业务深度融合，实现数据智能化应用，打造”AI+”智能应用场景，实现业务数据一体化，从流程驱动走向数据驱动、AI驱动，赋能企业高质量发展。



远光软件股份有限公司

电话: 0756-6298888

传真: 0756-3399666

网址: www.ygsoft.com

地址: 广东省珠海市科技二路23号远光智能产业园

泛能网 暖通智控一体机

基于领先的端边云一体化协同架构，实现暖通系统的智能化升级

暖通空调系统，设备多且分散，管理效率低、能效提升难。泛能网将暖通空调系统的运行机理与智控算法深度融合，基于领先的端边云一体化协同架构，打造暖通智控软硬件一体化产品，实时感知系统运行数据、自动匹配和下发节能控制策略，全局寻优、提升能效、节能降费。

● 核心能力

适配多种应用场景

- 支持有线及Lora无线组网，灵活可配置群控功能，算法支持本地运行

远程智能控制

- 实现对暖通系统及设备的即时/定时远程启停、参数调节，基于智控算法能力调节，有效提升运行能效，实现暖通系统的供需匹配



运行异常告警

- 全面监测暖通系统的运行，异常智能识别，主动告警，快速处置，实现数智化运维，保障安全运行



行业先进的智控算法

- 提供丰富的暖通智控算法库，算法能力可按需组合，灵活适配多种应用场景



全面运行监视

- 全面展现暖通系统、关键设备、室内环境的运行状态、指标参数，实现远程监测



规格参数

- 尺寸：宽度400mm；深度275mm；高490mm；重量20kg
- 支持4G
- 支持4路千兆网口、6路RS485串口
- 支持Modbus、IEC104、西门子、欧姆龙、AB、汇川等工控协议
- 内置边缘计算服务器
- AC220V电源接入
- 支持10.1寸标准工业触控屏
- 支持边云协同和节能算法本地运行



● 应用场景

中央空调智控节能系统

- 冷冻/热水系统智能智控
- 冷却塔智能管控
- 冷却水系统智能控制
- 冷水机组智能群控

末端环境智能管控

- 室内温湿度监控
- 空调机组变风量控制
- 风机盘管联网监控
- 新风控制及环境质量监控

精密空调集控系统

- 定时、边云协同、AI算法
- 故障报警
- 综合优化节能控制策略
- 全自动托管式运维

多联机集控系统

- 能效评估
- 区域能耗统计
- 重点设备能耗监测
- 分项用电监测

● 核心价值

省力--提升效率

远程监控暖通系统运行状态
智能调控系统高效运行
显著提升系统运营管理效率

省心—保障安全

实时监测暖通设备的运行状态
自动识别异常或故障问题
即刻告警，及时响应，高效处置

省钱—节约成本

节能策略自动下发
系统能耗精细化管控
有效降低能耗费用支出

● 核心优势

1 轻量化部署

系统可采用无线、非入侵式设备进行组网，无感安装，不影响经营

2 短周期交付

实施周期5~7天，即装即用，极大提升落地效率

3 节能看得见

提供节能率承诺，全年多维度对比，节能减排可视化

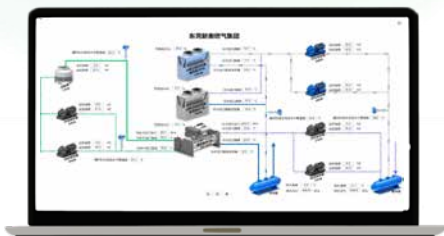
4 安全有保障

系统设备预测性维护，实时报警，健康诊断，精准维保

● 合作模式

我们提供灵活的合作模式，包括产品售卖和节能分享模式，支持客户根据节能空间和资金要求，选择不同合作模式，实现共赢。

● 成功案例



东莞新奥燃气大厦

➤ 项目背景：

东莞新奥燃气大厦，建筑面积约2.2万m²，制冷系统无智能控制系统，自动化水平低，系统运行效率低下，能耗较高。

➤ 泛能智控方案：

- 搭建智能控制系统平台，实现系统联动控制、智能控制
- 引入泛能网大数据平台的云端优化系统，通过云平台植入的算法模型及沉淀的专家知识库，优化运行策略

全程自动化运行

0人工干预

统计智控综合节能率

20%+

预计每年节约电量

12万~
15万KWh

扫码了解更多内容



以能源变革之力 引领能源新纪元

关于 GE Vernova

以超过130年的历史传承和领先技术为起点,GE Vernova致力于加速实现全球电气化的同时降低碳排放。作为最早进入中国市场的能源设备制造及服务商之一,GE Vernova“以能源变革之力”,积极投身中国能源建设,全面助力中国新型电力系统建设与“双碳”目标实现,并在应对全球气候变化与能源转型的过程中发挥重要作用,提供可靠、可负担、可持续的电力,引领能源新纪元。

完备的业务组合成为建设新型电力系统的可靠助力

GE Vernova覆盖能源领域12个业务板块,长期布局燃气、水电、海上及陆上风电、艾尔姆风能等能源领域。在中国,GE Vernova持续为中国的电厂用户提供世界级技术与服务组合,为中国实现“双碳”目标不断贡献力量。

在中国

4,000+ 名员工	10+ 能源装备 生产制造基地
240+ 燃机机组	大约 50 吉瓦 燃机联合循环装机容量
占全国 1/4 水电总装机量	60 吉瓦 水电装机容量

在全球

100+ 个国家	75,000 名员工
2,200 吉瓦 全球装机容量	大约 25% 全球电力 来自于我们的设备
55,000 台 风力发电机装机 遍布 50 多个国家	7,000+ 台套 燃气轮机装机量 全球规模最大机群

Life Is On

Schneider
Electric
施耐德电气

施耐德电气 创造影响力

作为能源管理和自动化领域**产业技术的全球领导者**，我们的使命是成为您实现**高效和可持续发展**的**可信赖伙伴**！



扫码关注
施耐德电气官方微信
成为#影响力创造者

涌氢（深圳）能源科技有限公司

——国内领先的低成本PEM电解槽催化剂提供商

| 关于我们

公司专注于高性能、低成本、长寿命电解水制氢催化剂的产业化，致力于PEM电解水制氢核心材料的降本增效，打造氢能领域的贝尔实验室（Bell Laboratory）。

| 团队核心

创始团队来自牛津大学，目前已形成10人的硕博研发团队，具备齐全的催化剂+膜电极+工况验证的全链条研发环境。

| 未来展望

使命： 绿氢—降本技术推动绿氢的平价化

我们的催化剂技术，可以显著降低PEM电解槽成本，进而降低绿氢价格，推进绿氢替代部分化石能源。

展望： 助力碳中和—绿氢驱动的能源、化工革新

我们的技术将推动绿氢在能源与化工领域的大范围应用，协助行业脱碳，助力实现碳中和。

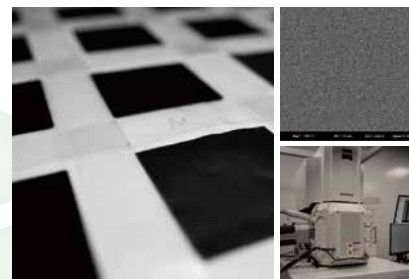
| 产品技术

阳极催化剂贵金属铱用量大，成本高

目前每兆瓦PEM电解槽铱原材料消耗约为1公斤。况且铱全球年开采量仅有10余吨。储量和价格难以支撑百GW规模的电解槽装机远景。涌氢能源通过材料微观结构与化学组分设计，实现了在性能不变的情况下铱载量降低50%的目标。

膜电极成本高，性能参数有待提高

针对核心零部件膜电极规模化工艺问题，涌氢能源全方位优化催化剂载体、浆料、涂覆工艺。解决膜电极制备过程中，贵金属载量高，浆料聚集沉降快，均匀度差，催化剂-质子交换膜界面不牢固等一系列问题。根据客户参数需求进行定制化设计。





未来能源大会
FUTURE ENERGY CONVENTION



第六届未来能源大会

THE SIXTH FUTURE ENERGY CONVENTION

未来能源 新质发展

NEW QUALITY DEVELOPMENT OF FUTURE ENERGY



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