Parallel Session on Intelligent Manufacturing Contributes to Chinese-Style Modernization

【Basic Information】

Moderator:

Zhu Min	Vice President of China Center for Information Industry Development Member of the National Intelligent Manufacturing Expert Committee
Ouyang Jinsong	Director of the Instrumentation Technology and Economy Institute of China (ITEI)

Speech Session:

Xiong Jijun	Deputy Minister of Industry and Information Technology

Expertand Academician Speech Session:

Jiang Xiaojuan	Honorary President, China Industrial Economics Association; Professor, University of Chinese Academy of Social Sciences; Former Vice Secretary-General of the State Council
Qian Feng	Professor of East China University of Science and Technology, Academician of the CAE Member, Chief Scientist of the National Process Manufacturing Intelligent Control Technology Innovation Center
Li Peigen	Professor, Huazhong University of Science and Technology Academician of Chinese Academy of Engineering Director of the Nationa ntelligent Manufacturing Expert Committee
Zhang Jianwei	Foreign Academician of the Chinese Academy of Engineering

Enterprise Speech Session:

Sun Jianzhong	Vice President of XCMG Construction Machinery Co., Ltd. and General Manager of Xuzhou Heavy Machinery Co., Ltd.
Wu Jun	Member of the Standing Committee of CPC and Vice President of Baoshan Iron &Steel Co., Ltd., President and Secretary of the Party Committee of the Central Research Institute

Zhao Xiaobin	Vice President of SAIC GM Wuling Automobile Co., Ltd.
IAN SHIH	President Rockwell Automation China

Roundtable Discussion Session:

Bai Rui	Vice President of lndustry Digitalization Business at Shanghai Nokia Bell Co.,Ltd., 5G-ACIA (5G Industrial Automation Alliance) Chinese Ambassador
You Wei	Chairman of Efort Intelligent Robot Co.,Ltd.
Sun Zhiqiang	Chairman and President of Guangzhou Risong Intelligent Technology Holding Co.,Ltd.
Pan Zhengyi	Co-founder and Chief Operating Officer of Changzhou Microintelligence Co.,Ltd.
Yang Mingming	Vice President of Strategic Markets and Investment at Phoenix (China) Investment Co.,Ltd.

【Brief Introduction】

As one of the parallel sessions of the 8th Hongqiao International Economic Forum, the Parallel Session on Intelligent Manufacturing Contributes to Chinese-Style Modernization was held on the morning of November 6, 2025, at Hall C2, Hall 4.2, National Exhibition and Convention Center (Shanghai). The event was hosted by the Ministry of Industry and Information Technology of the People's Republic of China and the Ministry of Commerce of the People's Republic of China. The forum comprised four segments: speech session, expertand academician speech session, enterprise speech session, and roundtable discussion session.

【Speech Session】

During the speech session, Xiong Jijun, Deputy Minister of Industry and Information Technology, was invited. The guest discussed intelligent manufacturing as the main focus for driving industrial technological transformation and optimization and upgrading. Intelligent manufacturing is the core driving force leading the Fourth Industrial Revolution, involving not only technological innovation but also profound changes in manufacturing productivity progress, production relations organization, and the global development landscape. The Chinese government has deeply implemented the intelligent manufacturing engineering project, solidifying the foundation for the digital and intelligent transformation of the manufacturing industry by strengthening the supply industry, enhancing application innovation, constructing a standard system, and expanding international cooperation. Specific measures include: promoting the deep integration of scientific and technological innovation with industrial innovation, and fostering the coordinated development of advanced processes, intelligent equipment, and industrial software; deepening the gradient cultivation of smart factories, building advanced factories empowered by digitalization and networked collaboration, and guiding enterprises in carrying out intelligent transformation; strengthening the leading role of standards, improving the standard system, and accelerating the international promotion of advanced experience; promoting the establishment of an open, inclusive, and mutually beneficial intelligent manufacturing development community, deepening cooperation in technology, standards, talent, and other fields, and facilitating the formation of a global intelligent manufacturing ecosystem.

Julia Woertink, Chief Technology Officer, Dow Asia Pacific,
attended the Parallel Session on AI-Driven Digital Economy Innovation & and The Global Digital Economy
and High-Tech Industry Matchmaking Conference and delivered a keynote speech

【Expert and Academician Speech Session】

During the expert and academician speech session, invited guests included: Jiang Xiaojuan, Honorary President of the China Industrial Economics Association, Professor at the University of Chinese Academy of Social Sciences, and Former Vice Secretary-General of the State Council; Qian Feng, Professor at East China University of Science and Technology, Academician of the Chinese Academy of Engineering, and Chief Scientist of the National Process Manufacturing Intelligent Control Technology Innovation Center; Li Peigen, Professor at Huazhong University of Science and Technology, Academician of the Chinese Academy of Engineering, and Director of the National Intelligent Manufacturing Expert Committee; and Zhang Jianwei, Foreign Academician of the Chinese Academy of Engineering. The guests discussed topics such as digital innovation, industrial embodied intelligence, digital twins, and how embodied intelligence contributes to green manufacturing. Digital innovation is an important focus for high-quality industrial development during the "15th Five-Year Plan" period. Scientific and technological innovation and industrial innovation need deep integration, with enterprises becoming the main force of innovation. Data elements and artificial intelligence play a key role in driving knowledge innovation, revealing complex relationships, and empowering refined scenarios. Industrial embodied intelligence is an important lever for developing new quality productive forces. By constructing an industrial "brain," it enables innovative allocation of production factors, transformation of production methods, and intelligent regulation across the entire lifecycle. A path of creation, boundary-breaking, and integration is needed to propel manufacturing towards high-end, intelligent, and green development. Digital twins are a core technology for smart factories, covering the full lifecycle management of products, processes, and supply chains. They optimize operations through edge intelligence and time-series data analysis, achieving virtual-physical integration and personalized process control. Embodied intelligence, combining multimodal data and interaction with the physical world, has broad application prospects in robotics and green manufacturing. It requires balancing generalization capabilities with industrial-grade precision, promoting the data flywheel and edge-side development, while emphasizing human-centered ethical governance and international cooperation.

Jiang Xiaojuan, Honorary President of China Industrial Economics Association; Professor, University of Chinese Academy of Social Sciences; Former Vice Secretary-General of the State Council, attended the Parallel Session on Intelligent Manufacturing Contributes to Chinese-Style Modernization and delivered a keynote speech

Qian Feng, Professor of East China University of Science and Technology, Academician of the CAE, Member, Chief Scientist of the National Process Manufacturing Intelligent Control Technology Innovation Center, attended the Parallel Session on Intelligent Manufacturing Contributes to Chinese-Style Modernization and delivered a keynote speech

Li Peigen, Professor, Huazhong University of Science and Technology; Academician of Chinese Academy of Engineering; Director of the National Intelligent Manufacturing Expert Committee, attended the Parallel Session on Intelligent Manufacturing Contributes to Chinese-Style Modernization and delivered a keynote speech

Zhang Jianwei, Foreign Academician of the Chinese Academy of Engineering, attended the Parallel Session on Intelligent Manufacturing Contributes to Chinese-Style Modernization and delivered a keynote speech

【Enterprise Speech Session】

During the enterprise speech session, invited guests included: Sun Jianzhong, Vice President of XCMG Construction Machinery Co., Ltd. and General Manager of Xuzhou Heavy Machinery Co., Ltd.; Wu Jun, Member of the Standing Committee of CPC and Vice President of Baoshan Iron & Steel Co., Ltd., President and Secretary of the Party Committee of the Central Research Institute; Zhao Xiaobin, Vice President of SAIC GM Wuling Automobile Co., Ltd.; and Ian Shih, President of Rockwell Automation China. The guests shared intelligent manufacturing practices from industries such as construction machinery, steel, automotive, and automation. Facing the global trend of large-scale customization, the construction machinery industry has compressed order delivery cycles and improved production efficiency through end-to-end generative R&D, intelligent supply chain control, digital twin factories, and AI business empowerment, driving collaborative upgrades in the industrial chain. The steel industry is redefining production paradigms with AI, building predictive organizational models, strengthening data governance and computing power support, restructuring business management and manufacturing processes, and improving resource allocation efficiency across the entire chain. The automotive industry has innovated with the "intelligent island" manufacturing model, subverting the traditional assembly line structures. Through process recombination, flexible production, and data-driven approaches, it addresses rapid iteration and personalized demands, reduces investment costs, and enhances production capacity flexibility. The automation industry focuses on industrial chain collaboration, connecting sectors such as energy and food through digitalization and intelligence to promote green and sustainable development. It empowers enterprises in global expansion and value chain enhancement through AI applications and business model innovation.

Sun Jianzhong, Vice President of XCMG Construction Machinery Co., Ltd.
and General Manager of Xuzhou Heavy Machinery Co., Ltd.,
attended the Parallel Session on Intelligent Manufacturing Contributes to Chinese-Style Modernization
and delivered a keynote speech

Wu Jun, Member of the Standing Committee of CPC and Vice President of Baoshan Iron & Steel Co., Ltd.,
President and Secretary of the Party Committee of the Central Research Institute,
attended the Parallel Session on Intelligent Manufacturing Contributes to Chinese-Style Modernization
and delivered a keynote speech

Zhao Xiaobin, Vice President of SAIC GM Wuling Automobile Co., Ltd.,
attended the Parallel Session on Intelligent Manufacturing Contributes to Chinese-Style Modernization
and delivered a keynote speech

Ian Shih, President, Rockwell Automation China,
attended the Parallel Session on Intelligent Manufacturing Contributes to Chinese-Style Modernization
and delivered a keynote speech

【Roundtable Discussion Session】

During the roundtable discussion session, invited guests included: Bai Rui, Vice President of Industry Digitalization Business at Shanghai Nokia Bell Co., Ltd. and 5G-ACIA (5G Industrial Automation Alliance) Chinese Ambassador; You Wei, Chairman of Efort Intelligent Robot Co., Ltd.; Sun Zhiqiang, Chairman and President of Guangzhou Risong Intelligent Technology Holding Co., Ltd.; Pan Zhengyi, Co-founder and Chief Operating Officer of Changzhou Microintelligence Co., Ltd.; and Yang Mingming, Vice President of Strategic Markets and Investment at Phoenix (China) Investment Co., Ltd. The guests explored changes in intelligent manufacturing models, key technologies, policy support, and future visions. From the perspective of model changes, intelligent manufacturing has entered a deep-water zone, characterized by customization, flexibility, and full lifecycle management. Enterprise forms are shifting towards platformization and ecosystemization, requiring a digital foundation to support the closed loop from physical entities to intelligent actions. From the perspective of key technologies, enterprises need to solidify their automation and digitalization foundations, strengthen knowledge management, adopt shared manufacturing and robot service models, and rely on intelligent technologies to achieve multi-variety, small-batch production. In high-end manufacturing, AI must achieve high precision while being safe and reliable, requiring the integration of hardware, software, and process data to ensure information security and algorithm effectiveness. At the execution end, embodied intelligence requires combined support from hardware ecosystems and data supply, transforming experience into algorithms to achieve flexible switching between multiple processes. From the perspective of policy support, the government should guide the opening of resources, encourage the opening of scenarios and data transactions. Standard associations and industry alliances need to play a greater role in promoting standard implementation and cross-border collaboration. From the perspective of future visions, it includes building a healthy industrial ecosystem, popularizing robot applications, empowering high-precision manufacturing, embracing a new round of industrial revolution, and leveraging China's leading role in global intelligent manufacturing.

Bai Rui, Vice President of Industry Digitalization Business at Shanghai Nokia Bell Co., Ltd.,
5G-ACIA (5G Industrial Automation Alliance) Chinese Ambassador,
attended the Parallel Session on Intelligent Manufacturing Contributes to Chinese-Style Modernization
and participated in the Panel Discussion

You Wei, Chairman of Efort Intelligent Robot Co., Ltd.,
attended the Parallel Session on Intelligent Manufacturing Contributes to Chinese-Style Modernization
and participated in the Panel Discussion

Sun Zhiqiang, Chairman and President of Guangzhou Risong Intelligent Technology Holding Co., Ltd.,
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Pan Zhengyi, Co-founder and Chief Operating Officer of Changzhou Microintelligence Co., Ltd., attended the Parallel Session on Intelligent Manufacturing Contributes to Chinese-Style Modernization and participated in the Panel Discussion

Yang Mingming, Vice President of Strategic Markets and Investment at Phoenix (China) Investment Co., Ltd., attended the Parallel Session on Intelligent Manufacturing Contributes to Chinese-Style Modernization and participated in the Panel Discussion

Ouyang Jinsong, Director of the Instrumentation Technology and Economy Institute of China (ITEI), moderated the roundtable discussion of the Parallel Session on Intelligent Manufacturing Contributes to Chinese-Style Modernization

Zhu Min, Vice President of China Center for Information Industry Development;
Member of the National Intelligent Manufacturing Expert Committee,
moderated the Parallel Session on Intelligent Manufacturing Contributes to Chinese-Style Modernization