

# 2021

## POST SHOW REPORT

Innovation Lights Up the Digital Future



# EVENT OVERVIEW

PT EXPO · 30

Organized by the Ministry of Industry and Information Technology (MIIT), the 3-day PT Expo China 2021 was successfully held between September 27th - 29th at the Beijing National Convention Center. With the theme of "Innovation Lights Up the Digital Future", the expo comprehensively showcased the most cutting-edge and leading new technologies, new businesses, and new applications in the ICT industry, especially the innovative exploration of leading technologies such as 5G in expanding digital development space, promoting digitization in production, lifestyle, and social governance etc.

PT Expo China is celebrating its 30th anniversary this year. For more than 30 years, the expo has overcome various difficulties and developed together with peers both in the domestic and international industries, has witnessed the rapid development of the ICT industry, and has set up a great platform for exhibitions, exchanges, collaborations, and knowledge sharing for the entire industry. It is a window through which the world can see the latest achievements in the booming development of the ICT field. It is also a bridge that connects industry professionals, promotes exchanges and collaborations in the global ICT field.





# OVERALL NUMBERS

P T E X P O · 30.

Approx. **40000m<sup>2</sup>**  
exhibition area

Nearly **20%**  
visitors with purchasing  
budget over **\$500,000**

**20+**  
New technology/product  
releases

P T E X P O · 30<sup>th</sup>

**400**  
exhibitors

**70+**  
local government  
delegations

**3000+**  
Chinese & foreign  
media provided  
event coverage

**370+**  
telecome operators  
and enterprise groups

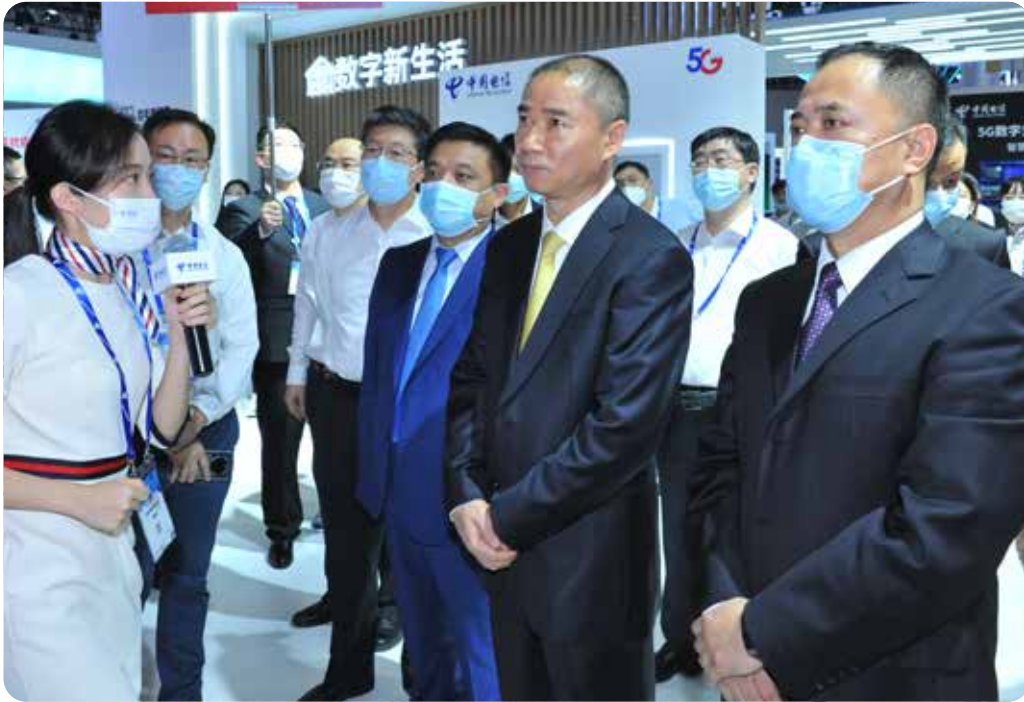
# HIGH-LEVEL LEADERSHIP PRESENCE

PTEXPO 30.





# HIGH-LEVEL LEADERSHIP PRESENCE



## High-level Leadership Presence

XIN Guobin, Vice Minister of the MIIT; HAN Xia, Chief Engineer of the MIIT; XIANG Libin, Vice Minister of the Ministry of Science and Technology (MOST); YIN Yong, Deputy Mayor of the People's Government of Beijing Municipality; YAO Dangnai, Vice President of the PLA Academy of Military Science; LI Yizhong, Former Minister of the MIIT; JIN Shubo, Former Head of the Discipline Inspection Team of the MIIT of the Central Commission for Discipline Inspection and ZHU Hongren, Former MIIT Party Member and Chief Engineer, visited the exhibition and attended the concurrent forums and programs.

ZHAO Houlin, Secretary-General of the International Telecommunication Union, sent a video speech for the exhibition.

Representatives from more than 10 central government departments including Cyberspace Administration of China, National Development and Reform Commission, Ministry of Science and Technology, Ministry of Finance, Ministry of Housing and Urban-Rural Development, Ministry of Transport, Ministry of Culture and Tourism, Ministry of Emergency Management, General Administration of Customs, National Radio and Television Administration and Joint Staff of the Central Military Commission etc. attended the events. Additionally, representatives from more than 70 local governments including Beijing attended the events as well.

## CAS & CAE Members, Experts and Scholars

A large number of experts and academicians were invited to attend the exhibition and deliver keynote speeches at the forums, including members of the Chinese Academy of Engineering (CAE) WU Hequan, SHEN Changxiang, LI Bohu, LIU Yunjie, Former Deputy Director of the National Bureau of Statistics and Professor at School of Economics and Management of Tsinghua University XU Xianchun, Dean of Guanghua School of Management of Peking University LIU Qiao, Academician of the Royal Academy of Engineering WANG Jiangzhou etc.



# HIGH-LEVEL LEADERSHIP PRESENCE



XIN Guobin, Vice Minister of the MIIT



XIANG Libin, Vice Minister of the MOST



YIN Yong, Deputy Mayor of the People's  
Government of Beijing Municipality



YAO Dangnai, Vice President of the PLA Academy  
of Military Science



LI Yizhong, Former Minister of the MIIT



JIN Shubo, Former Head of the Discipline Inspection  
Team of the MIIT of the Central Commission for  
Discipline Inspection



ZHU Hongren, Former MIIT Party Member and  
Chief Engineer



# HIGH-LEVEL LEADERSHIP PRESENCE



ZHAO Houlin, Secretary-General of the  
International Telecommunication Union



WU Hequan, CAE Member



SHEN Changxiang, CAE Member



LI Bohu, CAE Member



LIU Yunjie, CAE Member



XU Xianchun, Former Deputy Director of the National  
Bureau of Statistics and Professor at School of  
Economics and Management of Tsinghua University



LIU Qiao, Dean of Guanghua School of  
Management of Peking University



WANG Jiangzhou, Academician of the Royal  
Academy of Engineering



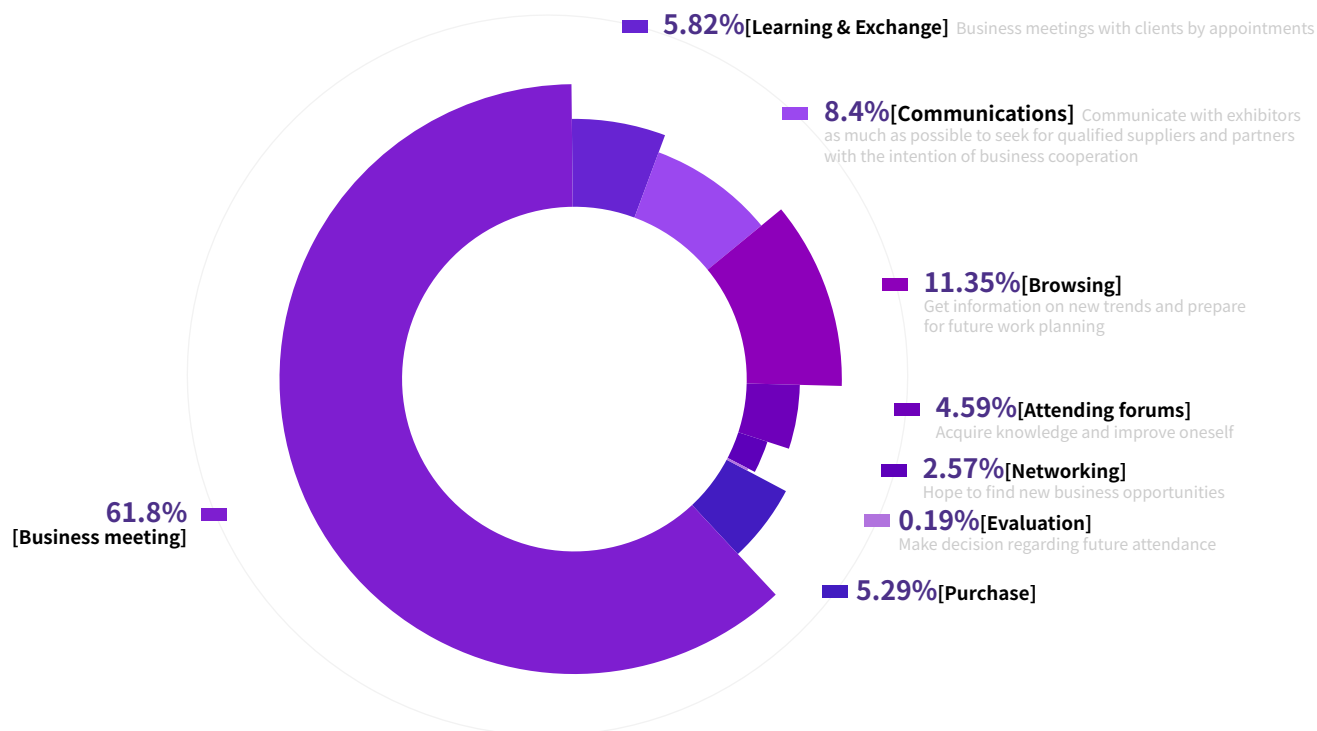
# VISITOR STATISTICS

P T E X P O · 30.

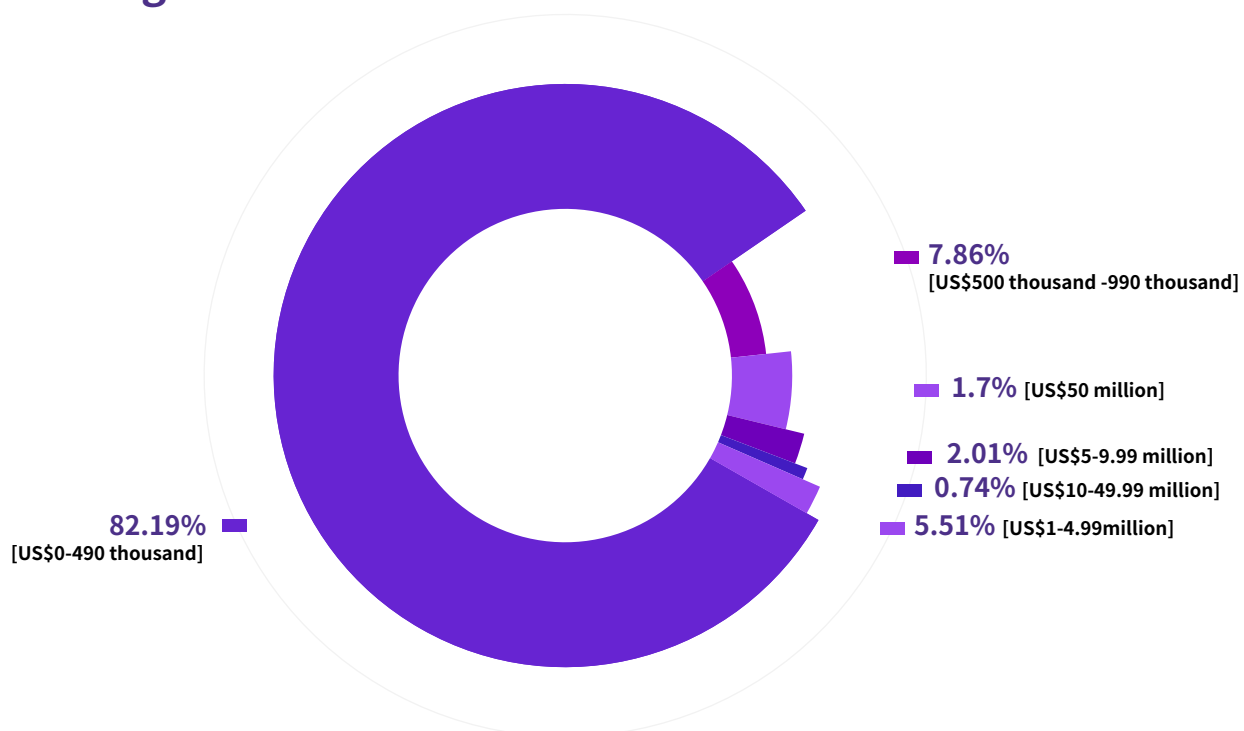




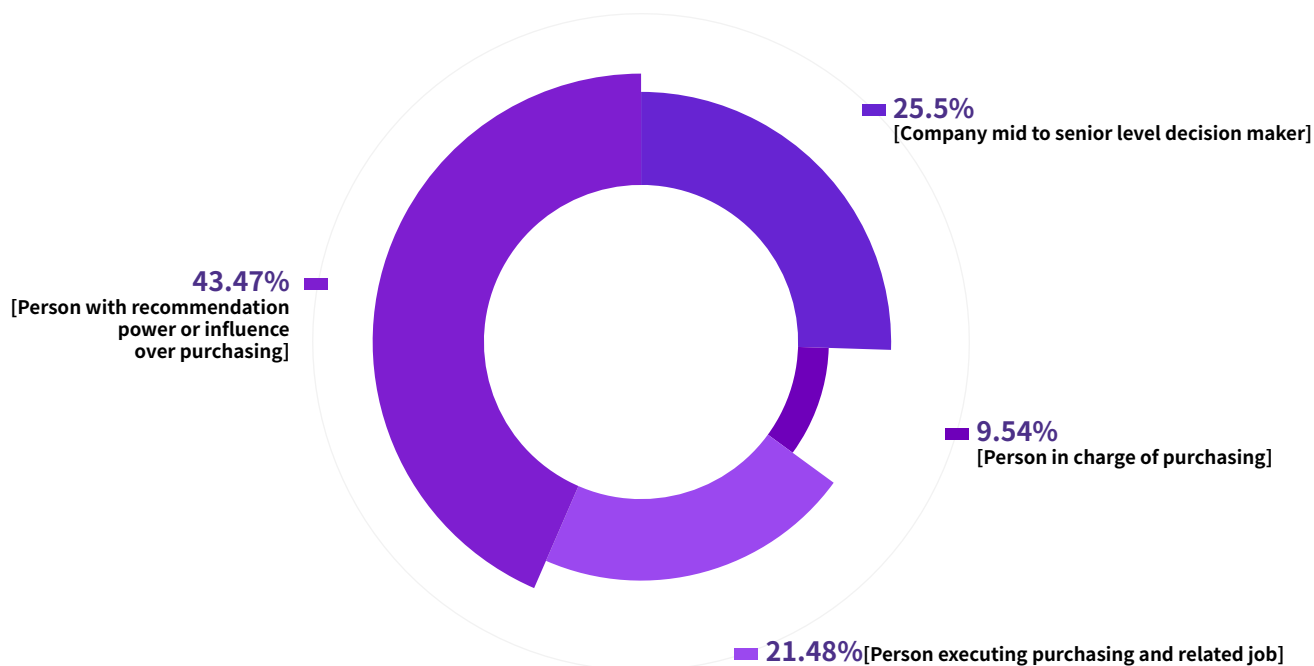
## Purpose of Visit



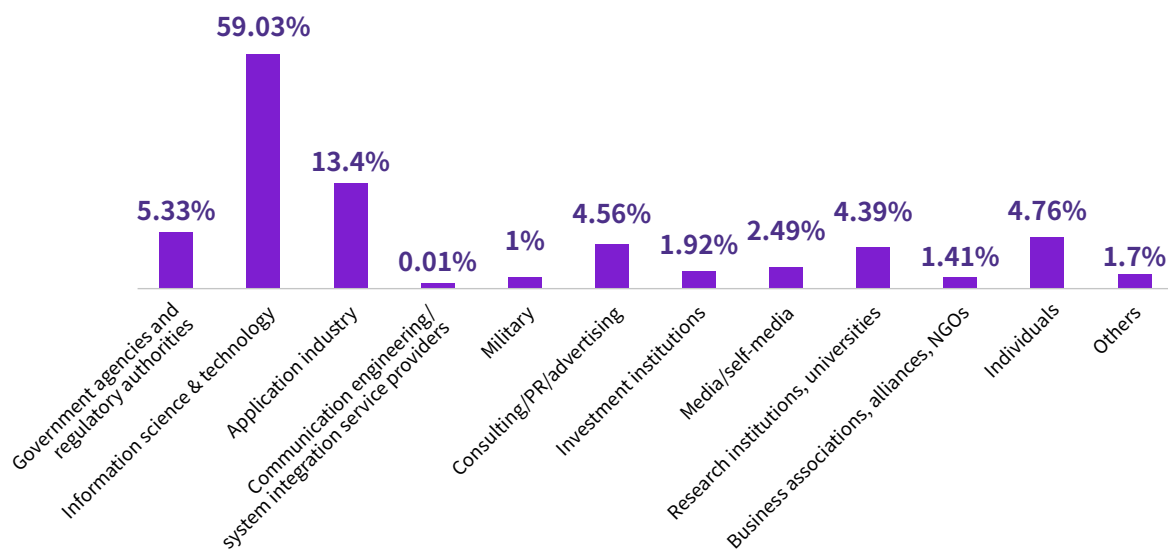
## Visitor Budget



## Visitor Job Title

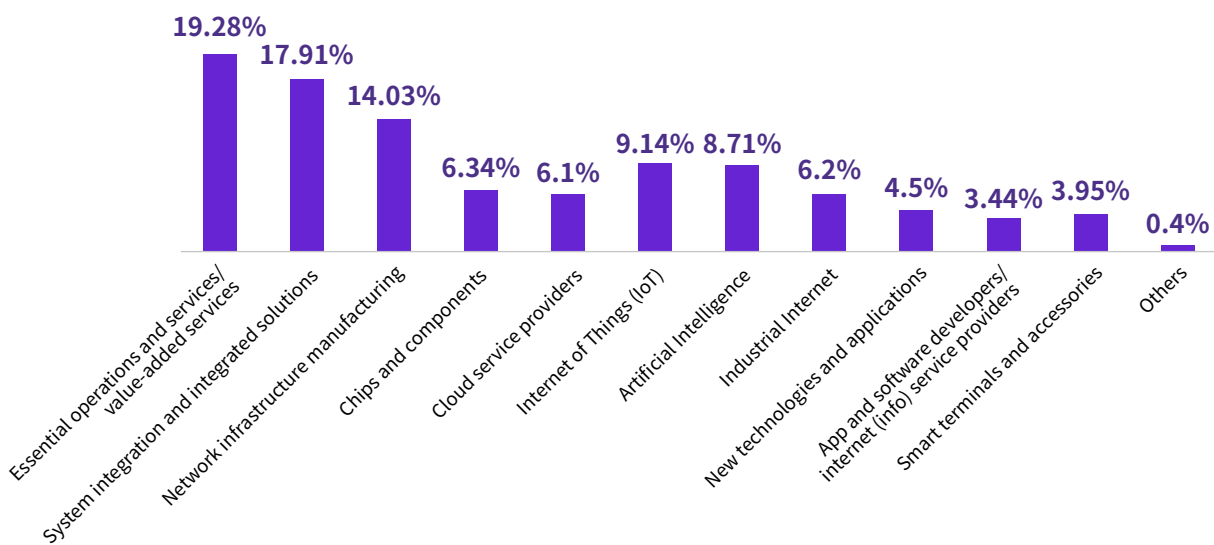


## Visitor Industry Categories

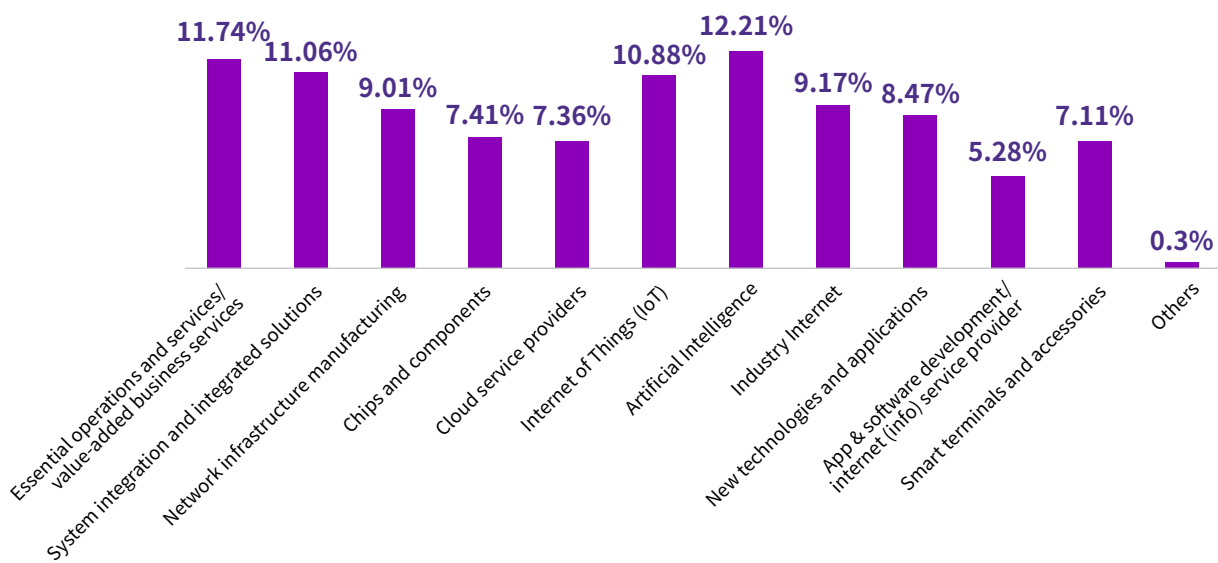




## Information Technology Segments



## Product Categories and Market info Visitors Most Interested in





## Local Government and Vertical Field Groups

The exhibition attracted more than 70 local government visiting groups and more than 370 enterprise and business visiting groups to share 5G construction experience, innovative application cases, technology research and development results, witnessing the start of an innovative new journey that is led by 5G technology.



## CONFERENCE SUMMARY

The "ICT China 2021 High-level Forum" held concurrently with the exhibition consists of nearly 50 thematic forums, covering topics such as 5G, dual gigabit, data center, IPv6, industrial internet, BDS, artificial intelligence, blockchain, quantum computing, internet of vehicles, smart cities, data security, emergency communications and other popular topics. In addition, the launching ceremony of the "Glory Cup" Gigabit Optical Network Application Innovation Competition, the "ICT China (2021) Case Calling and Release" and other activities were held to publicize, award, and promote outstanding solution providers in the industry, promoting exchanges and mutual learning across the industry for collective growth and progress.

数字孪生网络探索与实践	陶飞	北京航空航天大学科学技术研究院副院长 教育部长江学者特聘教授
自动的基础：站点基础设施数字孪生	李丹	清华大学计算机系长聘教授
基于数字孪生的无线信道建模和应用研究	朱多智	亚信科技产品研发中心网络域产品线总经理
基于数字孪生网络 创新智能网络运维	刘颖	华为技术有限公司移动网络集成服务产品总监
	吕星战	中兴通讯算法专家
	吴智辰	思特奇产品线总经理

数字孪生网络 (DTN) 白皮书下载

## Opening Forum Speakers



**XIN Guobin**  
Vice Minister of the MIIT



**ZHAO Houlin**  
Secretary-General of the International  
Telecommunication Union



**XIE Cun**  
Director of the Information and  
Communication Development Department of the MIIT  
(Host)



**WEI Ran**  
Chief Engineer, China  
Academy of Information and  
Communications Technology  
(Host)



**LIU Yunjie**  
CAE Member



**YANG Chaobin**  
Vice President of Huawei  
President of Wireless Network  
Product Line



**LIN Wei**  
Vice President of Inspur  
Communication  
Technology Co., Ltd.



**HE Ning**  
Vice President of New H3C Group  
General Manager of  
Operator Business Department



**CHEN Shanzhi**  
Deputy General Manager,  
Director of the Expert Committee  
of China Information and  
Communication Technology  
Group Co., Ltd.



**Tomas Appelquist**  
General Manager of IoT Center  
of Excellence,  
Ericsson (China)  
Communications Co., Ltd.



**WANG Xiang**  
Senior Vice President,  
Chief Strategy Officer of ZTE



# CONFERENCE SUMMARY



**RUAN Bochao**

Director of Business Unit Network  
Platform Department of Intel  
Data Center Asian Market  
Development Organization



**LIN Guoen**

Vice Chairman of Deloitte China  
Leading Partner of Deloitte China  
Technology Media and  
Telecommunications Industry (TMT)



**Glen Penaranda**

Commercial Counselor of  
Embassy of the  
Philippines in China

## Digital Economy Leadership Forum Speakers



**HAN Xia**

Chief Engineer of the MIIT



**XU Xianchun**

Professor at School of  
Economics and Management of  
Tsinghua University



**TANG Ke**

Deputy General Manager  
of China Telecom Group Co., Ltd.



**ZHAO Dachun**

Deputy General Manager  
of China Mobile Communications  
Group Co., Ltd.



**LIANG Baojun**

Deputy General Manager  
of China United Network  
Communications Group Co., Ltd.



**XU Qian**

Deputy Director of Strategy  
Committee of China Electronics  
Technology Group Co., Ltd.



**LIU Shaowei**

President of Huawei Data  
Communication Product Line



**HU Xuemei**

Vice President of ZTE



**AN Xiarui**

Party Branch Secretary and  
Deputy General Manager of  
Beijing Capital High-Tech  
Development Co., Ltd.

## Opening Forum



"2021 ICT China • High-Level Forum" is known as the "Davos" of ICT. It is a high-end platform for communications among Chinese and foreign industry authorities and enterprises, collaborations among ICT enterprises, and the deep integration of ICT technology and the real economy. It is the annual grand event of the ICT and smart technology industry. This forum invited leaders of government authorities, well-known experts and scholars in related fields, and senior executives from industry-leading companies to discuss the path of development.

## Digital Economy Leadership Forum



This "Digital Economy Leadership Forum" invited government leaders, national think tank experts, ICT and central enterprises' digital transformation pioneers, representatives of leaders to participate in in-depth discussions on the integration, innovation of the ICT industry and traditional industries, in order to accelerate the process of digital transformation of enterprises, build a solid digital foundation for high-quality economic and social development.



## “Gigabit Network for a Hundred Cities” Future City Development High-Level Forum –Launch of First “Glory Cup” Gigabit Optical Network Application Competition



The first "Glory Cup" Gigabit Optical Network Application Competition aims to promote the emergence of a number of Gigabit optical network business applications with innovative business models, good development prospects, clear demonstrative significance, driving the vigorous development of China's Gigabit optical network industry, supporting the digital transformation of thousands of industries, contributing to the high-quality development of China's economy and society.

## The 5th 5G Innovation Development Forum



With "Empowering Thousands of Industries, Leading with Applications" as the theme, the forum invited government leaders, representatives of upstream and downstream enterprises in the 5G industry chain, industry experts to attend and share the phased results of 5G infrastructure construction and application innovation. In-depth discussions were conducted on key topics such as infrastructure construction and 5G vertical industry application innovation.

## AI-Driven Future Conference

## AI智胜未来大会

## AI-Driven Future Conference

承办单位： 中国人工智能产业发展联盟  
中国信息通信研究院  
南京新一代人工智能研究院  
中国邮电通信有限公司

With the theme of "In-depth Integration of Information and Communication Services and Artificial Intelligence", this forum set up two major topics. The first topic was "AI power, telecommunication industry embracing AI driven future", focusing on cutting-edge artificial intelligence technologies and telecom industry networks, as well as business automation and intelligence. The main discussion focus was on the application of artificial intelligence in the telecommunications industry. The second topic was "AI services comprehensively promote new model of digital intelligence development", focusing on the application of artificial intelligence in life services, and promoting AI applications to provide users with efficient and considerate intelligent services.

## 2021 Industrial Internet Innovation Conference

2021年中国国际信息通信展览会  
PT EXPO CHINA 2021

ICT中国·2021 高层论坛  
ICT CHINA HIGH LEVEL FORUM

CAICT 中国信通院

工业互联网产业联盟  
Alliance of Industrial Internet

## 2021工业互联网网络创新大会

主办单位：工业和信息化部  
承办单位：中国信息通信研究院 工业互联网产业联盟 中国邮电器材集团有限公司

2021年9月28日 中国·北京

The theme of this conference was "Promoting Infrastructure Construction and Leading Network Technology Innovation". The topics were "Industrial Internet Network Construction and Practice" and "Innovative Exploration of Industrial Internet Technology". In addition, it also included the release of relevant results to promote the accelerated development of the Industrial Internet.



## 5G+ Industrial Internet High-level Forum



This forum set up activities such as "5G + Industrial Internet Exemplary Model" and "5G + Industrial Internet Exemplary Solution" roadshows to explore a new model of 5G + industrial Internet + smart manufacturing supply and demand matchmaking.

## 5G-enabled Smart Mines Industry Development Forum



This forum brought together leading figures and well-known experts and scholars from various industries to discuss the new blueprint for the future development of the mining industry, aiming to promote the high-quality and rapid development of 5G enabled smart mines in an all-round way.

## Smart Education High-Level Forum



The theme of this forum was "Together, We Walk Further; United, We Achieve Bigger", aiming to accelerate the research of new ideas and new technologies, create new type of business, develop new industries, enhance new energy, and promote the high-quality and rapid development of smart education in an all-round way.

## World AI Driving Summit 2021



With the theme of "New Infrastructure, New Intelligent Manufacturing, and New Mobility", the summit created a platform for industry-university-research exchanges. Concurrently, the "2021 AI Driving Unicorn" selection took place. 10 start-ups were chosen from almost a hundred Chinese AI driving companies for a 2021 Annual AI Driving Unicorn Award.

## High-Frequency Communication Industry Technology Development Forum



Themed around "Millimeter Wave Empowering 5G for a Better Future", the forum carried out technical exchanges and industrial collaborations in the fields of chips, devices, testing, and applications to promote the innovation and development of China's overall millimeter wave technology and build a good development ecology.

## Quantum Computing Forum



This forum mainly discussed quantum computing technology, application and industrial development, aiming to promote the exchange of quantum computing technology, explore the needs and scenarios of quantum computing applications, and promote the collaborations of quantum computing industry, universities and research institutes.

## Industrial Internet and Data Security High-Level Forum



With the theme of "Industrial Internet Security" and "Data Security", this forum conducted in-depth discussions on hot topics such as 5G industry application security, industrial Internet security, Internet of Things security, and data security, aiming to promote the construction of China's cybersecurity assurance system and improve the level of network security protection in key national industries.

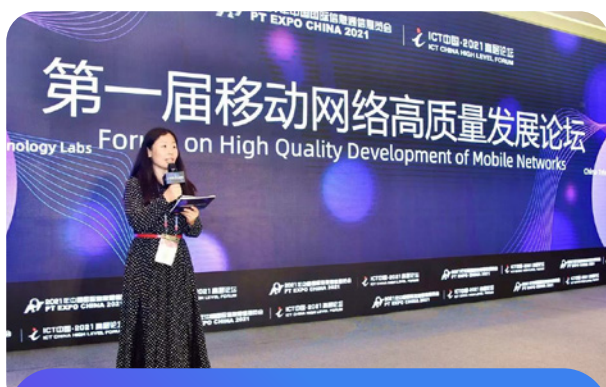
## 2021 BeiDou Navigation Satellite System High-level Forum



This forum officially released the "Proposal on Expanding Large-scale Application of Beidou", which aims to gather industry consensus, strengthen Beidou industry collaborations, and actively promote the large-scale application of Beidou in related industries.



### Inaugural Forum on High Quality Development of Mobile Networks



With the theme of "Improve Network Experience and Seek High-Quality Development", this forum invited industry authorities, telecom operators, mobile network facility providers, mobile network operation and maintenance service providers, academics/scientific research institutions, experts and scholars/practitioners, analysts and industry media in other mobile communications fields to participate in it.

### Chain Network Innovation Digital and Smart Future— Blockchain Innovative Application and Development Forum



Guided by the "Network Power" strategy and the "Dual Gigabit" action plan, with the theme of the high-quality development of mobile networks, the forum built a sharing and communication platform for government agencies, operators and enterprises to promote the development of high-quality mobile networks.

### 2021 New Data Center High-level Forum



The purpose of this forum was to showcase the latest developments and industry practices of liquid cooling technology, promote the development of new data center industry and technological innovation, and promote the continuous progress of data center liquid cooling technology, as well as the sustainable and high-quality development of new data centers.

### Carbon Peak and Neutrality High Level Forum



The purpose of this forum was to provide a communication platform for industry enterprises in the field of green and low-carbon development. The participating experts discussed related technologies and solutions to promote carbon peaking and carbon neutrality, providing practical experience as reference for the industry.

### The 2nd 5G+ Internet of Vehicles Eco-Development Forum



With the theme of "5G + Internet of Vehicles, Start of Transportation Digital Revolution", this conference created a top-notch "5G + Internet of Vehicles" full-ecological collaboration and exchange platform for government, industry, university, research and application institutions.

### 5G Eco-oriented Industry Application Seminar



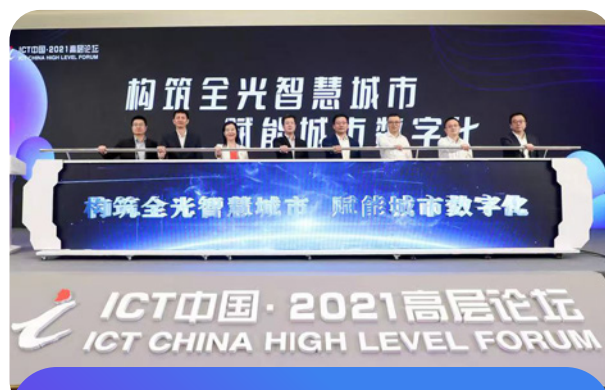
The forum aimed to better promote the integration of the 5G industry, explore 5G business models, strengthen collaboration and exchanges between upstream and downstream enterprises in the industry chain, and promote the healthy and harmonious development of the industry.

### 5G+ Smart Pole Integration and Development Forum



With the theme of "Smart Pole · Smart Society", this forum conducted in-depth discussions on hot topics such as 5G and smart light pole construction and operation, cross-industry integration, model innovation, long-term operation, and future trends.

### Gigabit Optical Network and All-optical City High-Level Forum



This forum brought together all parties in the industry to discuss the future direction of the gigabit optical network, so as to gather the industry's strength and jointly promote the prosperity and development of China's gigabit optical network industry.



# MEDIA COVERAGE

This year's event attracted more than 3,000 Chinese and foreign media outlets, including Xinhua News Agency, People's Daily, Economic Daily, China Daily, CCTV News Center, CNR, China Radio International, China Global Television Network, Beijing Television, Shanghai Television, 21st Century Business Herald, Yicai, People's Posts and Telecommunications News, China Electronics News, CWW, ccidcom.com, C114, caijing.com.cn, ifeng.com, Tencent, Sina, Sohu, NetEase to spread the new technologies and applications from the expo to the rest of the world. SASAC Xiaoxin conducted live coverage of the exhibition through interactive platforms such as Douyin. Xuexi.cn launched a special quiz to promote information about the expo and the ICT industry.

According to the Public Opinion Big Data Platform of the News and Publicity Center of the Ministry of Industry and Information Technology, between September 27th and 10:00 AM October 15th, the total number of online news reports, sharing, and comments was nearly 23,000, of which over 14,000 comments were posted on social media, almost 5,000 articles were published on news apps, and over 1,000 articles were published on WeChat official accounts.

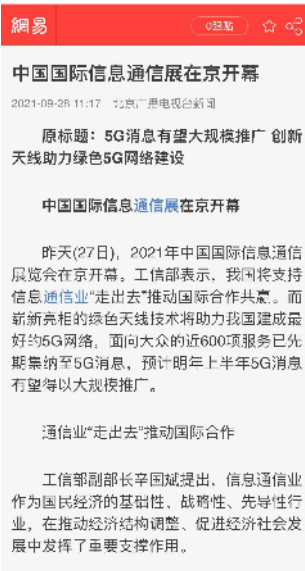
全球首个5G R16 Ready











## 中国国际信息通信展在京开幕

2021-09-28 09:07:13 来源: 北京日报

昨天(27日), 2021年中国国际信息通信展览会开幕式在京举行。工信部表示, 我国将支持信息通信业“走出去”推动国际合作共赢。而新亮相的绿色天线技术将助力我国建成最好5G网络, 面向大众的近600项服务已先期集纳至5G消息, 预计明年上半年5G消息有望得以大规模推广。

### 通信业“走出去”推动国际合作

工信部副部长辛国斌提出, 信息通信业作为国民经济的基础性、战略性、先导性行业, 在推动经济结构调整、促进经济社会发展中发挥了重要支撑作用。

辛国斌表示, 面向未来, 信息通信业肩负着推动制造强国、网络强国、数字中国建设的重要使命, 要持续深入推动高质量发展。

今后我国将全面提升新型数字基础设施发展水平, 加快推进“双千兆”网络建设, 统筹新型数据中心布局, 发展工业互联网和车联网。我国还会加速拓展数字化发展空间, 进一步拓展5G、云计算、大数据、人工智能等技术在数字化生产、生活和社会公共治理等领域的创新应用。

## 经济日报

### 我国5G终端连接数已超过4亿

2021年9月28日 2021-09-28 08:04

在9月27日举行的2021年中国国际信息通信展览会开幕式上, 工业和信息化部副部长辛国斌表示, 我国已建成全球规模最大的光纤和4G网络, 5G网络规模商用也取得了积极进展。截止今年8月底, 我国建成5G基站超过100万个, 占全球的70%以上; 5G终端连接数超过4亿, 互联网新业态、新模式、新应用蓬勃兴起, 电子商务、移动支付广泛普及, 互联网企业综合实力和国际市场竞争能力显著增强, 涌现出一批龙头骨干企业和科技型独角兽企业。

同时, 5G应用已呈现百花齐放局面, 文体娱乐、垂直直播、远程服务等消费领域5G应用加快探索, 制造、矿山、医疗、港口等垂直行业5G应用模式日渐清晰, 在实体经济数字化、网络化、智能化转型升级过程中发挥了重要作用。数字经济规模持续扩大, 成为创新驱动发展的主要动力。

辛国斌表示, 将加快推进5G和千兆光网双千兆网络建设, 统筹新型数据中心布局, 积极发展工业互联网和车联网, 提升



## 央广网

### 中国5G基站数量已超100万、5G终端连接数超4亿 应用场景进入大规模落地阶段

2021-09-27 20:41:58 来源: 央广网

央广网北京9月27日消息(记者吕红桥) 据中央广播电视总台经济之声《天下财经》报道, 9月27日, 2021年中国国际信息通信展览会开幕。本届展会, 5G呈现“霸屏”态势, 成为各个企业展示的重中之重。从这些展示可以看出, 5G应用场景正由设想进入大规模落地阶段, 开始“嵌入”人们生产生活的方方面面。



中国电信的展台前, 5G标识遍布各个角落, 以往, 运营商更多展示的是远程驾驶、智慧医疗这些探索和搭建中的5G应用场景。而本届展会, 中国电信表示的5G应用很多都已经落地。比如这个智慧钢厂里部署了5G专网, 生产





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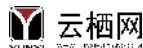
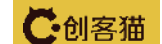
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