世界互联网大会
World Internet
Conference

2024 World Internet Conference Awards for Pioneering Science and Technology

Event Introduction

2024.4.9

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WIC Awards for Pioneering Science and Technology

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WIC Awards for Pioneering Science and Technology

It is an **international** technology award for the Internet sector.

Mission: Lead cutting-edge innovation in science and technology, and advocate technological exchanges and cooperation.

The collection is divided into three types: basic research, key technology, and engineering research and development.

WIC Awards for Pioneering Science and Technology

Scan the QR code to get the 2023 and 2022 "Charm of Science and Technology" Collection

➢ It is an upgrade from "Release Ceremony for World Leading Internet Scientific and Technological Achievements", and been held for 8 consecutive years

➢ More than 20 countries and regions have declared more than 3,000 achievements

➢ "Authoritative expert evaluation, with Chinese experts in the review committee comprising 70% of academicians from CAS and CAE; Foreign experts include 'Fathers of the Internet' and inductees of the Internet Hall of Fame."

➢ Cataloged Achievements: Approximately 60 achievements are compiled annually into the 'Charm of Science and Technology' collection.

➢ Leading Projects: 15-20 leading projects are presented on-site.

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**Which technological achievements qualify for application?
Who gets the award?**

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Standards for Evaluating Basic Research Achievements

✓ **Groundbreaking**

◆ Whether the achievements are **proposed** internationally **for the first time**, whether the scientific theories are **elucidated** internationally **for the first time**, and whether the main publications are **published** internationally **for the first time**?

✓ **Significant Scientific Value**

◆ What are the **original viewpoints** in theory and academia? What innovations exist in research methods? What **significant impacts** are there on advancing the discipline or fostering economic and social development?

✓ **Widely Acknowledged by the International Scientific Community**

◆ Has the scientific conclusion **been cited or applied** by international peers **in significant international academic conferences, publicly distributed academic journals**, particularly important academic journals, and academic monographs?

2023 WIC Awards for Pioneering Science and Technology –
Basic Research

01 Multi-Level Multi-Type Knowledge Fused Deep Learning Fundamental Methods for Natural Languages

—— Tsinghua University, Huawei Technologies Co., Ltd.

02 Hierarchical Content Perception of Visual Media

—— Beijing Jiaotong University, Nankai University

03 Research on High-Efficiency Mechanisms in 5G Mobile Communication System

—— Huazhong University of Science and Technology, Singapore University of Technology and Design

Evaluation Criteria for Key Technological Achievements

✓ Pioneering

◆ Is the technology a result of original innovation, **addressing which hotspots, challenges, and key issues in the industry's development**? Has it formed the leading technology in the industry

◆ Has the overall technological level and technological-economic **indicators reached the international leading level**?

✓ Critical

◆ Has the technology had a significant impact on **advancing industry technological progress and restructuring, optimizing, and upgrading industrial structures**?

✓ Significant Practical Benefits

◆ After application and promotion, have the **achievements demonstrated significant economic, social, and ecological benefits**? What market or social values of technological innovation have been achieved?

2023 WIC Awards for Pioneering Science and Technology – Key Technology

01 The World's First 5G Advanced-Ready Modem-RF System
—— Qualcomm Wireless Communication Technologies (China)

02 The Key Technologies of Knowledge-enhanced Large Language Model
—— Baidu

03 Technological Innovation and Industrial Applications of 4G-5G Co-construction and Sharing
—— China Telecom Corporation Limited & China United Network Communications Group Corporation Limited

04 All-Optical Infrastructure Innovation and Application of China Unicom
—— China United Network Communications Group Corporation Limited、Huawei Technologies Co., Ltd.

05 Research and Application of Key Cellular Vehicle-to-Everything (C-V2X) Technologies

—— CICT、 National Engineering Research Center of Mobile Communications and Vehicular Networks 、CICT Connected and Intelligent Technologies Co., Ltd.、 Morningcore Holding Co., Ltd. 、DT LinkTester Technology Co., Ltd.

06 IBM watsonx: The Generative AI for Business
—— International Business Machines Corporation

07 GaussDB: Distributed Database
——Tsinghua University、 Huawei Technologies Co., Ltd.、Huawei Cloud Computing Technologies Co., Ltd.

08 IIoT WIA-PA Technology and System of Intelligent Oilfield
—— Shenyang Institute of Automation, Chinese Academy of Sciences

09 Research and Development and Industrialization of Efficient, Reliable Distributed Content and Proactive Defense Technologies for Large-scale Cloud-network Convergence Systems

——Shanghai Jiaotong University、Wangsu Science and Technology Co., Ltd.、Qi'anxin Group Co., Ltd、Kelai Network Technology Co., Ltd.、Shanghai Pengyuejinghong Information Technology Development Co., Ltd.

Evaluation Criteria for Engineering R&D Achievements

✓ **Advancedness**

◆ What are the important innovations **in technical concepts, principles, or methodologies**?

◆ Does it hold an international leading position in terms of major performance, technological-economic indicators, and technological proficiency?

✓ **Practicality**

◆ What **practical problems have the achievements addressed**, and is the application implementation mature?

◆ Has it realized the market value or social value of technological innovation?

✓ **Wide Applicability**

◆ Is the application scope of the achievements extensive, and **are they applicable across various domains**?

**01 ARGO: Autonomous Inspection of Rolling
Stocks**
—— Next Generation Robotics Company

**02 Tencent AIMIS Medical Imaging Platform of
Digital Intelligence**
—— Tencent Healthcare (Shenzhen) Co., Ltd.

**03 Kaspersky Automotive Secure Gateway
(based on KasperskyOS operating system)**
—— Kaspersky

Representatives for 2023 Release Ceremony of WIC Awards for Pioneering Science and Technology

Jim Casey, Chief Business Officer of Qualcomm Technologies

Joint Release by Li Jun, Deputy General Manager of China Telecom, and Liang Baojun, Deputy General Manager of China Unicom

Yu Haibin, Academician of the Chinese Academy of Engineering

Chen Xudong, Chairman and General Manager of IBM Greater China Region

Sun Maosong, Executive Vice Dean of the Institute for Artificial Intelligence, Tsinghua University

Antonio Frisoli, Chairman of the Italian National Center for Robotics Competence

03

What opportunities come with participating in the awards?

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If the project receives the WIC Awards for Pioneering Science and Technology

- ✓ **Presenter along with the assistant** will be invited to the 2024 World Internet Conference Wuzhen Summit.

- ✓ Attend the award ceremony to receive a **trophy**, while project participants are awarded with **honorary certificates**.

- ✓ Gain extensive exposure opportunities: Live **broadcast on CCTV Financial Channel**; **Interviewed** by the conference

- ✓ The conference utilizes a multilingual dissemination matrix in **Chinese, English, Russian, Spanish, French, Arabic**, and other languages, with coverage across more than a hundred media platforms for promotion and reporting

- ✓ The textual materials are included in the **'Charm of Science and Technology' collection**.

If the submitted project is selected for the annual 'Charms of Technology' collection.

- ✓ Outstanding achievements will be included in the "Charm of Science and Technology"

- ✓ Opportunity to be invited to participate in the Wuzhen Summit of the 2024 World Internet Conference.

Excellence in Organization

- ✓ During the Wuzhen Summit, awards will be presented to cooperating partners who assist in collecting **a large quantity of high-quality outcomes**."

- ✓ Established for the first time in 2022. Award-winning units in 2023 include:

Ministry of Education

Ministry of Industry and Information Technology

Chinese Academy of Sciences

China Mobile

China Telecom

China Unicom

Tsinghua University

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2024 Event Process

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Applications of 2024 WIC Awards for Pioneering Science and Technology is Open!

From now until June 20, 2024, register an account on the two following websites, and follow the instructions to submit:

WIC Official Website:
cn.wicinternet.org

World Internet Conference Awards & Practices Application and Review Platform:
awards.wicinternet.org/

Online application

- Please select the achievement categories, different category correspond to different declaration contents.

Online application

New Application ✕

| Application Notice | Basic Information | **Application Content** | Application Materials | Other Info ⌄ |

🗄 ***Achievement Description***

Please describe the achievement's content, key indicators, significant progress and its impact within 500 Chinese characters (important) (optional).

Please describe the achievement's content, key indicators, significant progress and its impact within 400 English words (important).

Submit   Save   Cancel

- Basic Research
----Achievement Description
----Innovations
----Scientific Value
----International Recognition
(Please check the specific requirements for each part)

Online application

New Application ✕

| Application Notice | Basic Information | **Application Content** | Application Materials | Other Info ⌄ |

☰ *Application Benefits

Please describe qualitatively and quantitatively what economic, social and ecological benefits have been generated after the application and promotion of the achievement, and what market value or social value the technological innovation has achieved, within 1,000 Chinese characters (optional).

Submit   Save   Cancel

• Key technology
----Achievement Description
----Innovations
----Application Benefits
----Influence
(Please check the specific requirements for each part)

Online application

- Engineering Research and Development

----Achievement Description

----Innovations

----Application Benefits

----Influence

(Please check the specific requirements for each part)

Schedule

- Today – 20th Jun.   Submission, Formal Review

- Jul.-Aug.   Evaluation

- Aug. – Wuzhen Summit   Preparation and Release

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Application Tips

Application Tips

- Apply by Achievement Category

- The technological attributes of the achievements are significant and have international relevance.

- The material is presented concisely and convincingly, supported by quantifiable evidence such as patents, monographs, established standards, and papers

- Professional English translation

- The achievements previously selected for 'Charm of Science and Technology' are not eligible for re-application.

Invitation to apply!

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Application Inquiry

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cn.wicinternet.org

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Account for the latest
updates.**