

# ICDT

International Conference on Display Technology

Host City: Fuzhou, Guangzhou, Kunshan  
Wuhan, Beijing, Nanjing, Hefei



Attendees

2000+

## ICDT Highlights

- 25+ Activities (including technology, market, industry, investment and financing, etc.)
- 90+ Exhibitors
- 70+ Sub-Forums in 18 Technology Fields
- 700+ Talks
- 30+ Domestic and Foreign Academicians & SID Fellows
- 50+ National Distinguished Experts, Distinguished Young Scholars and Changjiang Scholars
- 150+ Universities and Research Institutes
- 470+ Participating Companies
- 20%-30% of Overseas Participants
- 1500+ Symposium Professional Attendees
- 2000+ Exhibition Professional Visitors

ICDT is one of the most important international conferences held by Society for Information Display (SID) outside the U.S.

SID has successfully held ICDT for about eight years from 2017 to 2024.

[www.sidicdt.org](http://www.sidicdt.org)

# Opening Ceremony

is held on the second afternoon of each session. Every conference will bring together the president of SID Beijing Chapter, SID cross strait regional vice president, president of SID and provincial and municipal leaders of the host city, as well as the leaders of the Department of High Technology under the Ministry of Science and Technology and the high-tech R&D Center to give an opening

speech, and the executive chairman of the conference to introduce ICDT.



Keynote Speakers for 2024 Opening Ceremony: Dr. Achin Bhowmik, SID President, CTO and Senior Vice President at Starkey Hearing; Prof. Peng Junbiao, Chairman of ICDT 2024 and SID Cross Strait Regional Vice President; Mr. Luo Yunfeng, Deputy Secretary and Mayor of Hefei; Mr. Pan Feng, Chief Economist of Department of Industry and Information Technology of Anhui Province; Professor Yan Qun, Executive Chairman of ICDT 2024 and President-Elected of SID.

# Unveiling Ceremony

In 2024, Mr. Huang Weidong, Secretary of the CPC Working Committee and director of the Management Committee of Hefei Xinzhan High-tech Industrial Development Zone, and Professor Qun Yan, president of SID China, Unveiled the Ceremony of Display Industry Joint R&D and Innovation Center

In 2022, the unveiling ceremony of the strategic alliance for technological innovation of Fuzhou semiconductor display industry was held.



# Technical Report

Four “FTS Annual Technical Reports” written by authorities from SID China were released at the opening ceremony.



Prof. Qun Yan signed a strategic cooperation agreement between SID China and TÜV Rheinland with Frank Holzmann, Global Vice President of Electronic and Electrical Product Services of TÜV Rheinland.

# Strategic Cooperation



# Keynote Speakers



Every year, ICDT invites 7-9 top display industry leaders, including academicians, enterprise seniors, distinguished professors and experts, to share keynote reports leading the evolution of display technology research and industry development.

## Previous Keynote Speakers (Partial) (in no particular order)



### Wenbo Jiang

Member of Editorial Board of China Media Group (CMG)  
Director, the State Key Laboratory of UHD Video and Audio Production and Broadcasting of CMG



### Yuguang Ma

Professor, South China University of Technology  
Academician of CAS



### Yunqi Liu

Researcher, Institute of Chemistry, Chinese Academy of Sciences  
Academician of CAS



### Lars Samuelson

Academician of the Royal Swedish Academy of Sciences  
Professor, Lund University



### Zuyan Xu

Researcher, Institute of Physics and Chemistry, CAS  
Academician of CAE



### Ming Liu

Researcher, Institute of Microelectronics, CAS  
Academician of CAS



### Chi-Ming Che

Professor, University of Hong Kong,  
Academician of CAS



### Martin Schadt

One of the inventors of LCD  
Academician of the European Academy of Sciences, SID Fellow



**Ching W. Tang**  
 Professor, Hong Kong University of  
 Science and Technology, Academician  
 of United State National Academy of  
 Engineering, SID Fellow



**Dirk Jan Broer**  
 Professor, Eindhoven University of  
 Technology  
 Academician of the Royal  
 Netherlands Academy of Sciences



**Zhongcan Ouyang**  
 Researcher, Institute of Theoretical  
 Physics, CAS  
 Academician of CAS



**Vivian Wing-Wah Yam**  
 Professor, University of Hong Kong,  
 Academician of CAS



**Yong Cao**  
 Professor, South China University  
 of Technology  
 Academician of CAS



**Julie J. Brown**  
 Academician of the U.S. National  
 Academy of Engineering  
 EVP and CTO, UDC



**Zhonglin Wang**  
 Director, Institute of Nanoenergy and  
 Nanosystems, CAS  
 Foreign Academician of CAS



**Shou Peng**  
 Academician of CAS  
 Chief Scientist, China National  
 Building Materials Group Co., Ltd.



**Kei May Lau**  
 Academician of the National Academy  
 of Engineering  
 Professor, Hong Kong University of  
 Science and Technology, IEEE Fellow



**Hoi S. Kwok,**  
 Professor, Hong Kong University of  
 Science and Technology  
 Director of SID Hongkong Chapter,  
 SID Fellow



**Martin Dawson**  
 Pioneer of Micro-LED technology  
 Professor, University of Strathclyde



**Shin-Tson Wu**  
 Professor, University of Central Florida  
 SID Fellow



**Michael D. McCreary**  
 CTO, Eink



**Achin Bhowmik**  
 CTO, Starkey Hearing  
 Former President of SID  
 SID Fellow



**Wenbao Gao**  
 President, BOE



**Kathleen O'Connell**  
 Global R&D Director, Dow





**Antoine Kahn**  
Professor, Princeton University



**Toshiaki Arai**  
CTO, JOLED  
SID Fellow



**Xiaoguang Xu**  
CTO, BOE



**Fu-Jen(Frank) Ko**  
General Manager,AUO



**Weidong Liu**  
Chief Scientist of Hisense Visual



**Joe Miseli**  
CEO, JVM Research  
President of ICDM



**Guanzhen Peng**  
Co-CTO, Tianma



**Sang-Hee Ko Park**  
Professor, KAIST  
SID Fellow



**Daniel LeCloux**  
R&D Director, DowDuPont



**Jin Jang**  
Professor, KyungHee University  
SID Fellow



**Soo-Young Yoon**  
CTO, LG



**Haruhiko Okumura**  
Chief Expert at Toshiba Multimedia  
AI Lab  
SID Fellow



**Gildas Sorin**  
CEO, CYNORA



**Xin Zhang**  
Vice President, TCL CSOT  
General Manager, Display Technology  
Innovation Center



**Yanqing Lu**  
Vice President, Nanjing University



**Nicholas Thompson**  
Associate R&D Director, UDC





# Display Industry Future Technology Strategy Summit (FTS)

HOT



FTS attracts about 170 participants, including panel manufacturers, equipment and material manufacturers, chairmen, CEOs, CTOs, academicians and top experts of well-known end-product enterprises. In-depth discussion and dialogue are conducted on technical bottlenecks and challenges, directions, and promises in the four fields of meta-universe and interactive display, Mini/MicroLED, OLED, and e-paper, and suggestions are made for innovation, collaboration, cooperation, and development covering the whole industry chain.

# Micro/Mini LED Display Core Technology Road Map Forum

HOT



In 2024, more than 300 experts, scholars and technicians from the upstream and downstream of the industrial chain study and judge the key technical routes in the industrialization process of MicroLED to accelerate the development of the industry.



## Technical Symposium

In 2024, 700-odd experts have lectured at the ICDT technical symposium which covers 18 fields and is divided into 72 sub-forums. The lectures includes 172 presentations invited , 183 oral presentations, and 360 poster presentations at home and abroad. Speakers come from more than 100 universities, research institutions, and more than 230 upper, middle and downstream enterprises in the display industry.

### Display Fields

Technical symposium focuses on 18 display technology fields: Active-matrix Devices, Applied Vision, VR/AR/MR and Metauniverse, Display Applications, Display Electronics, Display Measurement, Display Manufacturing, Display Systems, Emissive Display, Micro-LED and Quantum-dot Displays, E-paper and Flexible Displays, LCT, Lighting, OLEDs, Printed Displays, Projection, Touch and Interactive Display, Vehicle Display, AI for Imaging and Displays.



# Round Table Forum



The round table forum invites academicians, experts, business executives at home and abroad, SID leaders, leaders from the Ministry of Industry and Information Technology, Ministry of Science and Technology, the leaders of the host city and the representatives of the enterprises in the city to give advice on the evolution of the display industry, based on the current local industry development. It is also committed to gathering and cultivating the world's leading display industry cluster.

# New Display Technology Future Development Trend Workshop



The seminar invites well-known experts and scholars in the field of display, technical directors of leading display enterprises, key special new display experts of "New display and strategic electronic materials", key special project leaders, other project leaders and project backbone members, in the form of thematic reports and lectures, to summarize the new display progress and predict new display technology development during the 14th Five-Year Plan period (from 2021 to 2025).



# Short Course & Seminar

Short courses refer to systematic courses, covering basic knowledge, technique and technology, preparation and how to make products, etc., providing a comprehensive introduction to the basic knowledge of the subject. Seminar will expound on hot new technology fields, providing a comprehensive technical introduction and guidance.



## Business Conference



Business conference focuses on the information and analyses of the industry, interpretation of the latest market hot issues, introduction of the competitive landscape of the industry, analyses of the opportunities and challenges currently facing the industry, and the latest forecast of the development trend of new technologies.

The Conference invites senior analysts from the three major domestic consulting companies including Omdia, AVC Revo and Sigmaintell, and from foreign consulting companies like Yole Development.



# The Great Moments

## *OLED Materials and Devices Forum*

Chairmen, CEOs, CTOs, and top experts from OLED materials, cover plates, membranes, chemical synthesis, equipment, panels, and terminal companies are invited to participate in the forum, which focuses on innovative breakthroughs in OLED materials and equipment, jointly promoting the optimization and upgrading of China's OLED industrial chain.

## *Display Technology and Industry Standard Forum*

Experts have discussed and shared the latest standards and rules in the field of display technology to promote the standardization process and the healthy development of the industry,



## *Human Factors and Visual Health Forum*

Display system and application integrators, panel manufacturing companies, experts in the medical field and others dig into human factors and visual health thematic technology.

## *Young Leader Conference*

Jointly hosted by Chinese SID Show Future Stars Committee and Korean Information Display Society (KIDS), the Conference brings together young scientists recommended from China and South Korea to present their research results, promoting exchanges between Chinese and South Korean young scientists.

## ***Symposium on Interactive Display and Metaverse Technology and Industry Ecology***

The “Display Technology Empowering Metaverse” themed symposium focuses on the interactive display technology, which has the strongest association with display among the six core technologies of the metaverse. Meanwhile, the unveiling ceremony of the Metaverse Scene Innovation Center is held, where three academicians and two top experts are appointed as consultants to the center, offering support and guidance for its technology R&D and innovation.



## ***JSID Publication Training Session***

The training session is free for students and researchers across the world who intend to publish papers in Journal of the Society for Information Display (JSID) (included in SCI). At the meeting, JSID Editor-in-Chief and associate editors share information about JSID publication requirements, how to submit, and important matters of pre-submission.

## ***AI for Imaging and Display Special Forum***

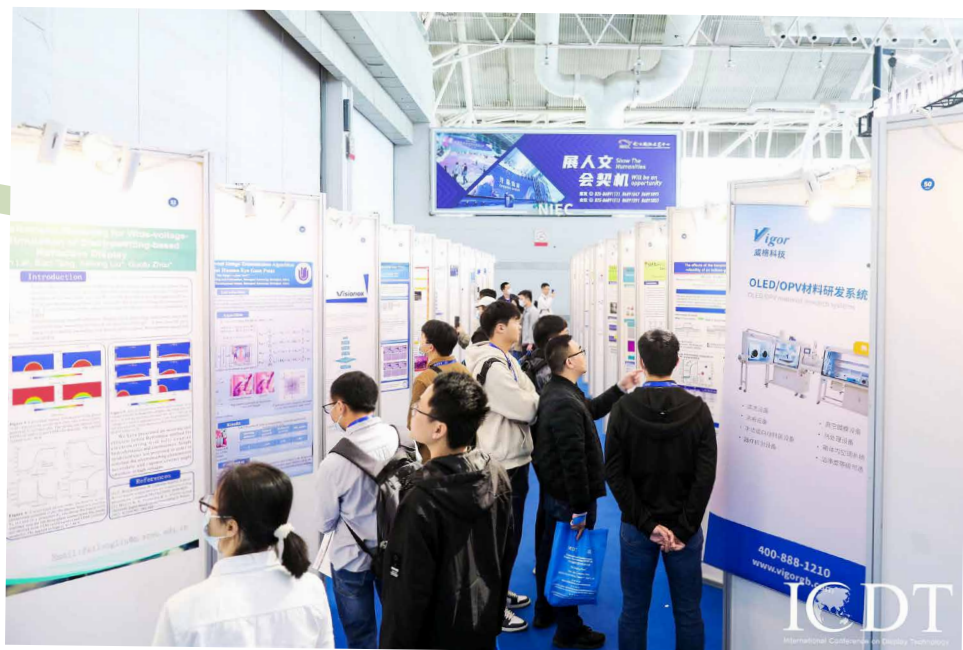


The forum focuses on the cutting-edge technologies, application innovations and development trends of artificial intelligence in the field of imaging and display. It also includes AI-assisted display material development, big data acquisition and AI optimization in the display manufacturing process, AI enhancement of picture quality on display screen, deep learning of big data in human-computer interaction, AI application scenarios in display applications and integration of large models with display technology etc.



## ***“Display Future Star Cup” Debate Competition***

The debate competition aims to enhance the critical thinking of display talents, with senior experts from different universities and enterprises as mentors. The last three competitions have attracted 14 teams to debate on 6-7 different hot topics, 200 spectators and 20,000 viewers.



## ***Poster Presentation***

Papers that have been submitted and selected by members of ICDT Technical Committee will be presented in designated area. During the conference, attendees have half a day to take part in the poster presentation, where paper authors provide on-site explanations of the technical highlights in their papers to the visitors.

## ***“Women in Tech” Forum***

To support women professionals in playing a significant role and unleashing their innovative potential in the display industry, the Forum brings together influential women experts from diverse backgrounds like business and academia to share their unique insights and experience in work and life.



# Innovation Competition

*ICDT Huawei New Display Technology Competition* is hosted by SID China, and the proposition is put forward by Huawei terminal. Teachers and students from universities develop relevant technologies for the proposition and show their results in the competition.

Launched during ICDT every year, it is divided into preliminary and final, with 3-4 tracks set up, attracting more than 50 excellent teams. The final of the last three competitions have been held in Shanghai Huangdianian Tea House in 2022 and Huawei European Town in Dongguan in 2023-2024. And nearly 10-odd million people have watched the competition as it is streamed live on Huawei recruitment bilibili channel, Huawei recruitment Wechat Channel and SID China Wechat Channel.

*"SID China Empyrean Cup Innovation Competition"*, organized by Empyrean and SID China, is a single domestic flat-panel display design competition based on a domestic platform. It aims to enrich college students' industrial application knowledge, cultivate students' practical ability, and promote the exchange of experience and development of display design and the popularization and application of domestic flat panel display design platform.

The competition has been successfully held for three times, each lasting three months, including online preliminary and online semi-final, attracting more than 30 outstanding student teams from many universities across the country.





## 2024 ICDT Industry Matchmaking Conference

In the “2024 ICDT Industry Matchmaking Conference” cohosted by the Management Committee of Hefei Xinzhan High-tech Industrial Development Zone and SID China, the Display Industry Joint Research and Development and Innovation Center jointly built by Xinzhan High-tech Zone and SID China is officially inaugurated.

## Visits to Local Businesses



The matchmaking conference invites members of more than 30 foreign enterprises to visit three local quality enterprises including Hefei Visionox, Hefei BOE and Hefei Sineva, and conducts in-depth exchanges and industrial docking with more than 20 local enterprises in Hefei on the development of display industry.

Previous ICDT have organized participants to visit and exchange with different businesses in Beijing, Fuzhou, Nanjing, etc.









## SID China Display Industry Award (CDIA)

The SID China Display Industry Awards (CDIA) is designed to recognize outstanding display technologies and products from the previous year, demonstrate their novelty, excellence and breakthroughs, and expand their influence in the display industry. CDIA has received more than 100 product applications. The organizing committee will consider a comprehensive evaluation by the expert review panel (accounting for 50%) and the on-site voting by participants (accounting for 50%), followed by a review by the award committee to finally select the six CDIA award winners. An award ceremony is held during the ICDT.

### I-Zone

The I-Zone is a display platform for displaying relevant new technologies and new prototypes. Only new prototypes or new technology demonstrations that have not yet been mass-produced are received. Enterprises and universities that sign up for the exhibition can display in the innovation zone free of charge.

The I-Zone Innovation Award will be selected on site.

### Start-up Zone

The Start-up zone is open to start-up individuals, teams, enterprises, universities and research institutions around the world. Only prototypes and innovative concepts for new products or technologies that have not yet been mass-produced (without known intellectual property conflicts) are accepted. The first, second and third prizes will be awarded at the exhibition.







# Dinner Banquet



More than 300 participants have showed up at the dinner banquet, including business executives and display industry experts.

At the banquet, local government leaders and sponsors deliver speeches. The launch ceremony of the innovation competition, Outstanding Student Paper Award Ceremony, the SID Beijing Chapter Outstanding Contribution Award and the award ceremony of the appointment letter of SID Beijing Chapter Technical Committee are held, to recognize those who have made excellent achievements in papers and SID.





# Acknowledgement

## Previous Sponsors (partial)

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