

Exhibition Report

CEATEC 2023 Topics

Innovators Gathering

CEATEC 2023 is an event where you can "see" exhibits, "listen" to conferences, "feel" and "think" about the future society, and "move" toward co-creation. CEATEC is a comprehensive exhibition of digital innovation, so CEATEC is a place for innovators to co-create. CEATEC was successfully held for four days at Makuhari Messe, as well as via online.

Opening Reception

On Monday, October 16, CEATEC Opening reception was held at the Palace Hotel Tokyo (Marunouchi, Chiyoda-ku, Tokyo). Prime Minister Fumio Kishida delivered a congratulatory speech. Prime Minister Kishida, and approximately 700 participants, including government and embassy officials, executives from exhibitors.

CEATEC AWARD 2023

The three ministerial awards of the CEATEC AWARD were announced at the opening reception. The ministers of the Ministry of Internal Affairs and Communications, the Ministry of Economy, Trade and Industry, and The Digital Agency.

The three ministers of the Ministry of Internal Affairs and Communications, the Ministry of Economy, Trade and Industry, and the Digital Agency, who participated in the opening reception, communicated directly with the award winners and presented them with certificates and plaques. The CEATEC AWARD 2023 also presented five category awards, including the newly established global category.

Conference

CEATEC conference held at the Makuhari Messe for the first time in four years. Frontrunners and key persons from industry, academia, government, and the private sector had panel discussions. And, special stage in the exhibition hall was also featured for electronic component-related projects and the theme for the next generation.

New Pavilion in Partners Park

The Digital Garden City Nation Concept is to realize a "spiritually fulfilling life" and a "sustainable environment, society, and economy". CEATEC 2023 set up the Digital Garden City Nation Concept pavilion. In addition to the pavilion, there were a variety of other pavilions in Partners Park. The event was a great success, and the results of the co-creation were widely communicated

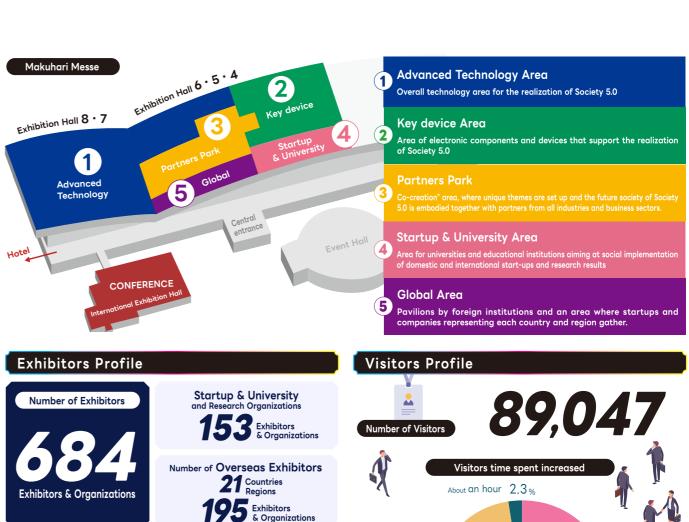
For the next generation

The "Future- Hub" stage spotlights students who are the future of the industry. In the stage, many programs introducing basic knowledge of technology and interactive talk sessions between students and top leaders. In addition, the sessions for students and business persons with other exhibiting companies, as well as information on human resource development and support.

Supporting the Next Generat Realizing the Next Generation of Society with Technology **Five Challenges** - Digital Garden City - Devices **Next Generation** OPartners Park Supporting human resources Supporting startups Connecting to the who will lead the and university research **Next Generation** institutions that hold the l **Next Generation of society** - Sustainable exhibition that takes to the Next Generation the global environment into consideration

Approaches for the environmental-friendly in CEATEC 2023

- •Reusable system panels were used for the lounges, reception booths, and special stages set up at CEATEC.
- •The venue map was downloadable as a PDF file from the CEATEC website instead of being distributed on paper.
- •FSC-certified paper was used for printed materials, such as the invitation card, and biomass-derived resin was used for the envelopes.
- ●Badge cases were collected (about 0.2 tons in total (for about 27,000 visitors)) and
- •Green power was used for the lounge and reception area in the exhibition hall, and natural energy such as wind and solar power was used. (The amount of electricity used in the exhibition halls was reduced by 15.000 kWh.)
- •In order to reduce electricity consumption in the exhibition hall, some escalators and air-conditioning systems were adjusted during the exhibition.



80.6% of exhibitors are satisfied

Satisfaction with CEATEC 2023 (overall rating)

CONFERENCE / Special Events Profile

675

PRESS Profile



TV coverage 14 progra

839 agazine articles

176 article



lectronic Components

Information processing and service

圓

6,400+

10,000+

nformation and Communicatio



Transportation equipment

2,800+

Exhibition Outline

Official Name

CEATEC 2023

Combined Exhibition of Advanced Technologies

Exhibition Purpose

Aiming to realize Society 5.0, which balances economic development with solutions to social issues, bringing together technology, information, and people from all industries and business sectors to envision the future through "co-creation"

Dates

Tuesday, October 17 to Friday, October 20, 2023; 10:00am to 5:00pm

Venue

Makuhari Messe (2-1 Nakase, Mihama-ku, Chiba, Chiba Prefecture)

Admission

Free of charge (All visitors are required to register in advance)

Japan Electronics and Information Technology Industries Association (JEITA)

Co-sponsors

Communications and Information Network Association of Japan (CIAJ), and Software Association of Japan (SAJ)

Supported by

Ministry of Internal Affairs and Communications,

Ministry of Economy, Trade and Industry,

Ministry of Land, Infrastructure, Transport and Tourism,

Digital Agency

(the order of establishment)

Japan External Trade Organization (JETRO),

New Energy and Industrial Technology Development Organization (NEDO),

National Institute of Advanced Industrial Science and Technology (AIST),

National Institute of Information and Communications Technology (NICT),

Information-technology Promotion Agency (IPA),

Organization for Small & Medium Enterprises and Regional Innovation,

Japan (SME Support, Japan)

Chiba Prefecture, Chiba City

Japan Broadcasting Corporation (NHK),

Japan Commercial Broadcasters Association (JBA)

Japan Business Federation (Keidanren),

The Japan Chamber of Commerce and Industry,

The Tokyo Chamber of Commerce and Industry

(list in no particular order)

Management

CEATEC Management Office (Japan Electronics Show Association (JESA))

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CEATEC **AWARD**

The CEATEC AWARD 2023 review board panel of judges has selected the CEATEC AWARD 2023 to be implemented with the goal of realizing Society 5.0, which will contribute to the creation and development of new value and markets while invigorating related industries.

CEATEC AWARD 2023 Review Panel of Judges

Academic Societies (in no particular order)

Information Processing Society of Japan The Institute of Electronics, Information and Communication Engineers
The Institute of Image Information and Television Engineers

The Institute of Electrical Engineers of Japan

Research Institute and Media Related (in no particular order)

MM Research Institute, Inc. / The Nikkan Kogyo Shimbun, Ltd. Nikkei Business Publications, Inc. / ITmedia Inc. / Techno-core Corporation



Minister for Internal Affairs and Communications Award



Secure Space Management Solution

Booth No A001 Toshiba Corporation

With public spaces facing a growing threat from terrorism, there is demand for new screening technologies that can detect hidden hazards without compromising convenience. The Toshiba Group has developed a walk-through inspection system that visualizes and detects hazardous materials concealed in clothing in less than one second. It benefits from proprietary integration and scanning technologies for automotive millimeter-wave radar ICs and draws on military radar and semiconductor technologies cultivated over many years. It can be deployed in a variety of public spaces to enhance community safety, security and sustainability.



Minister of Economy, Trade and Industry Award

Sustainable PCB by metal inkjet printing technology

Booth No S083 Elephantech Inc.

Elephantech Inc.—a Japanese startup whose mission is to "create a sustainable world through the power of new manufacturing" —is the first manufacturer in the world to successfully mass produce electronic circuit boards using environmentally friendly metal inkjet printing. Compared to the conventional subtractive manufacturing method, this proprietary pure additive method is a sustainable solution since it cuts copper use by 70%, CO2 emissions by 75%, and water use by 95%.





The Minister of Digital Agency Award

"Xacti LIVE", the world's smallest-class imaging device and video communication service, innovates the way we LIVE.

Booth No A141 Xacti Corporation

Xacti LIVE—a wearable device & service for supplying a live video feed—is a solution for realizing 5G/6G live business sharing with POV video anywhere, anytime. Realistic video and audio captured at the scene using this small, lightweight device (weighing less than 30 grams) realizes compelling and smooth remote support from multiple locations.



CEATEC

Category Award

Advanced Technology Category

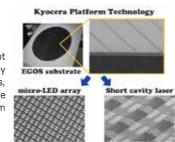
Grand Prix

New micro-LED/micro-Laser Fabrication Method and Original Substrate

Booth No A004 KYOCERA Corporation

KYOCERA Corporation has developed a proprietary substrate (EGOS) exclusively for fabricating very small light sources (micro-LEDs) and a revolutionary new process for manufacturing high-quality devices at low cost by using this substrate. A total of 340 micro-LEDs, fabricated from an area of this substrate with ultra-low defects, are simultaneously mounted on a circuit board to create an array. This EGOS substrate can also be used in the manufacture of lasers that are very challenging to fabricate: demonstrating this is the world's first 100 µm ultrashort cavity laser on a Si substrate*, capable of continuously oscillating at room temperature.

*A world-first for GoN-based edge-emitting lasers with a cavity of 100 µm or less formed on a Si substrates (Sept. 2022 Kyocera survey).

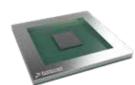


Semi Grand Prix(2 item)

Energy-efficient Al processor MN-Core™ series

Booth No A121 Preferred Networks, Inc.

Preferred Networks developed the MN-Core™ series of AI processors, which accelerate AI learning and achieve the world's highest level of computing performance per unit of power consumption, in collaboration with Kobe University. The company is working to develop and accelerate innovative technologies that apply deep learning in materials exploration and robotics, with the first large-scale cluster MN-3 using MN-Core becoming operational in June 2020. A successor, MN-Core 2, which is even more compact and powerful, has since been developed and is currently being mass-produced.



Visualizing Taste: The Dining Table of the Future

-Taste judgment and information processing by AI analysis from images of vegetables, fruits, tea leaves, etc. taken by smartphones, etc.-

Booth No A055 MAKUTA AMENITY CO.,LTD

The "deliciousness" of vegetables, etc., is instantly analyzed from images taken with a smartphone, etc., and "visualized" in numerical and other formats. Since the analysis is performed by Al on the cloud, this DX technology can be used worldwide as long as there is connectivity. This is the world's first analysis system using visible light without the use of specialized equipment. Anyone can easily use the system by downloading a dedicated app to a smartphone or other device. The results are displayed on an easy-to-understand, user-friendly screen, with ample consideration given to the UI.



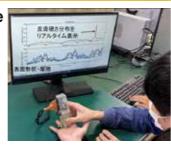


Grand Prix

Multiphysics Nano-Tactile Sensing to Visualize the Delicate Sensation of Fingertips

Booth No S081 Kagawa University JST-CREST

This tactile sensing system represents a completely new field of technology in which the touch sensations derived from a human hand are quantified and visualized. The key is pairing a unique high-resolution tactile sensor with deep learning (AI). High-quality tactile data is acquired by the sensor and memorized by AI. Once tactile characteristics are thus stored, the system can identify objects with greater sensitivity and accuracy than is possible with fingertips—even objects that are difficult for humans to distinguish. This technology is expected to find applications in various fields, such as the very early detection of malignant tumors in patients or abnormal wear in sliding mechanical components.



Semi Grand Prix

Perovskite solar cells integrated with glass building materials

Booth No A128 Panasonic Group

Panasonic' s perovskite solar cells are integrated with glass building materials and are capable of controlling the level of transparency. They are therefore anticipated to be widely used in places where silicon solar cells cannot be easily adopted, such as in windows and walls, by virtue of their design and appearance. In addition, Panasonic' s perovskite solar cells offer the world' s highest power generation efficiency (17.9%) in a practical size (>800cm²).





Grand Prix

Realization of on-site DX by utilizing the digital twin platform CONNECTIA at the construction stage

Booth No P005 OBAYASHI CORPORATION

CONNECTIA is a design collaboration tool for the civil engineering and construction industries and is intended for use by on-site foremen (prime/subcontractors). Based on 3D models, it enhances efficiency in planning, enables visual simulations, and facilitates the sharing of results. Unlike BIM/CIM software or dedicated 3D-modeling software, it is an intuitive tool that provides a game-like interface so that people who do not normally use 3D tools can formulate construction plans and share information.



Semi Grand Prix

A-SPEC ~Let' s think about restrooms together.~

Booth No P011 LIXIL Corporation

A-SPEC is a cloud service that automatically designs public restroom spaces. Anyone can easily design a user-friendly restroom space anytime, anywhere. A-SPEC's unique AI, which takes into account difficult rules and considerations related to space planning, automatically designs space layouts according to the conditions. It also provides a system that allows users to compare automatically designed plans and check their usability, and to work together with architectural designers and related parties to come up with better spatial designs.



Startup Category

'V

Grand Priz

Compact and high-performance portable Doppler Lidar to support an Air-Mobility society

Booth No S107 Metro Weather Co., Ltd.

MetroWeather's mission is to "take charge" of the world's winds. By continuing to provide optimum solutions—monitoring and analyzing wind in any location and under any conditions—the company aims to become a world leader in wind infrastructure. It has developed a high-performance Doppler lidar that analyzes minute movements of particles in the atmosphere to measure wind direction and speed at locations more than ten kilometers away. They aim to realize a world in which air mobility is not vulnerable to the wind, and aircraft can operate safely and stably.

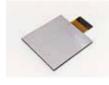


Semi Grand Prix

TL-SENSING™ - High-speed detection of subtle" heat" . Visualize" heat" and identify anomalies in 0.01 sec. -

Booth No S109 TopoLogic Inc.,

TL-SENSING™ is a heat flux sensor made using a new topological material. It detects microscopic heat in 0.01 second, has several hundred times higher thermal conductivity than existing sensors, and boasts high freedom of shape due to its 1/100 thin film structure. It can be applied to a wide range of devices and services such as abnormality detection and failure prediction for batteries and power semiconductor components, chemical sensors and gas sensors combined with reaction catalysts and optical absorption films, thermal management in factories and production sites, and human body monitoring.





Global Category

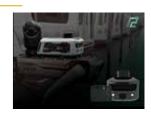


Grand Prix

ARC SYSTEM

Booth No S010 R2C2 Limited (Hong Kong)

The R2C2 platform is a universal robot coordination platform that allows automated inspection and patrol missions to be monitored, controlled and assigned to robot fleets formed by robots from different manufacturers. The R2C2 ARC device is equipped with an Al computer, cameras, and other sensors, The R2C2 ARC device is equipped with an Al computer, cameras, and other sensors to enhance the robot's inspection and navigation capabilities, bringing autonomy and inspection capabilities to conventional robots.



Semi Grand Prix

Cardiomo – Al-based wearable solution for a long-term and remote heart monitoring

Booth No G009 | Cardiomo (Ukraine)

Cardiomo is an Al-based wearable solution for remote patient monitoring and diagnosis, enabling smart, continuous, real-time and cost-effective monitoring outside the hospital. The Cardiomo solution consists of a wearable patch and a cloud-based analytics platform that provides early detection of arrhythmias with little involvement of healthcare professionals, establishing a stronger relationship between patients and healthcare professionals and improving patient outcomes. The solution also prevents cardiac complications through a connected care model, reduces healthcare costs by reducing hospital admissions, and frees up critical hospital resources for emergency and advanced care.



Venue Map

Advanced Technology Area

Overall technology area for the realization of Society 5.0

Key device area

Area of electronic components and devices that support the realization of Society 5.0

Partners Park

Co-creation" area, where unique themes are set up and the future society of Society 5.0 is embodied together with partners from all industries and business sectors.

Startup & University Area

Area for universities and educational institutions aiming at social implementation of domestic and international start-ups and research results

Global Area

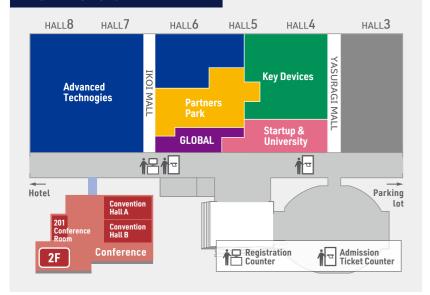
Pavilions by foreign institutions and an area where startups and companies representing each country and region gather.

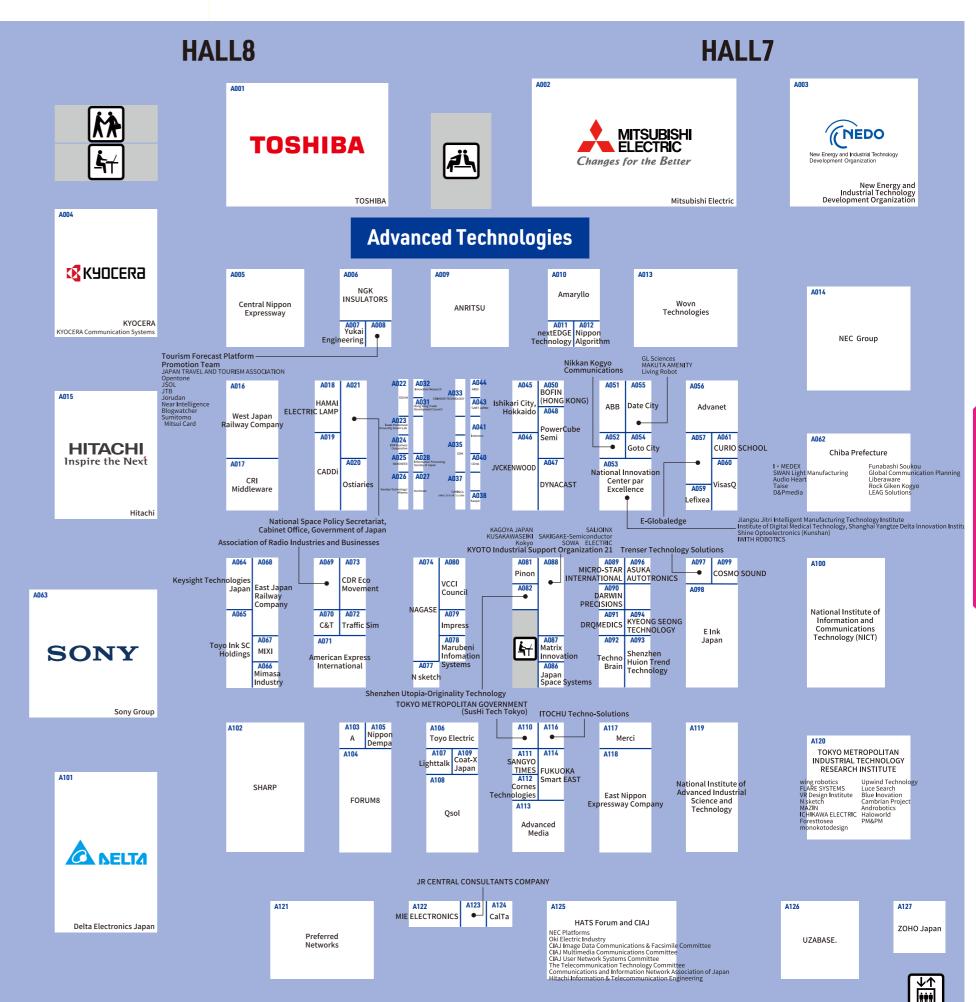
Conference

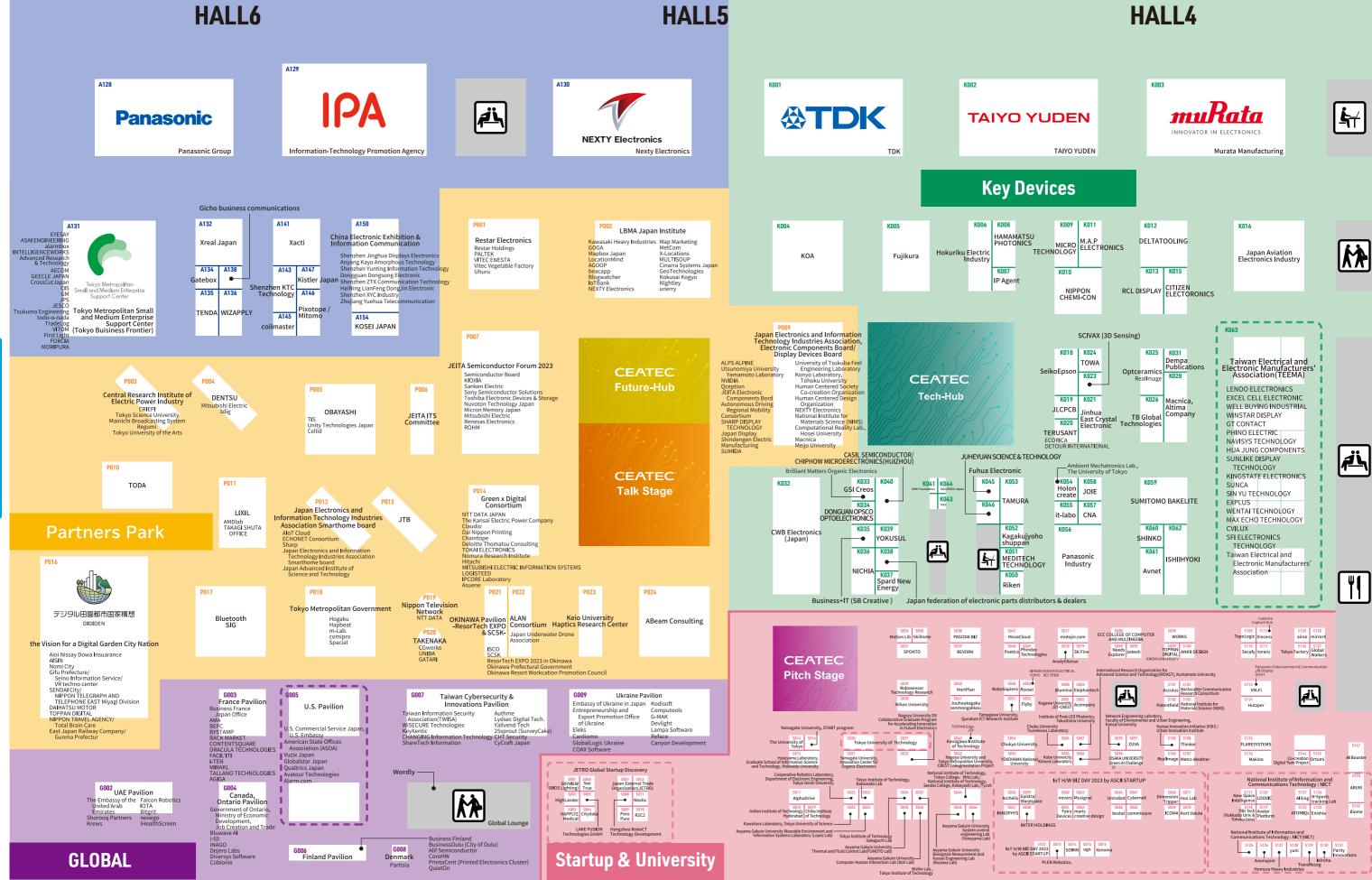
Lectures and panel discussions by industry leaders and experts



CEATEC 2023 AREA MAP







1.21.21			DOO? I BMA Jacon leatifute	K025 Optoeramics Limited Reallmage Inc.	MAZIN ICHIKAWA ELECTRIC
xhibitor List Area Com	position Advanced Technology key device Partners Par	k ■ Startup & University ■ Global ■ Online	P002 LBMA Japan Institute Kawasaki Heavy Industries, Ltd.	S145 Ortomi	Foresttosea
			GOGA, Inc.	S096 OSAKA UNIVERSITY Green AI Challenge iD Corporation	monokotodesign Upwind Technology
	3dia	S063 Musignal Inc.	Mapbox Japan G.K. LocationMind Inc.	A020 Ostigries, Inc.	Luce Search
A,inc.	P016 the Vision for a Digital Garden City Nation	S064 Unirobot Corporation	AGOOP Corp.	P	Blue Inovation
ABB K.K.	Aioi Nissay Dowa Insuarance Co.,Ltd. AISIN CORPORATION	S059 Warpspace Inc. S065 bestat Inc	beacapp Inc.	S038 PAGODA BIZ Co. Ltd.	Cambrian Project Androbotics
ABeam Consulting Ltd. Acculus	DAIHATSU MOTOR CO.,LTD.	S066 commissure Inc	Blogwatcher Inc. IoTBank Co., Ltd.	A128 Panasonic Group K056 Panasonic Industry Co., Ltd.	Haloworld
Acompany Co., Ltd.	East Japan Railway Company/Gunma Prefectur Gifu Prefecture/Seino Information Service Co., Ltd./	S067 CyberneX,Inc S068 Dimension Tripper	NEXTY Electronics.	Partisia	PM&PM A131 Tokyo Metropolitan Small and Medium Enterprise
1 Adobe Inc. Advanced Media, Inc	VR techno center inc.	S069 ICOMA inc.	Map Marketing Co., Ltd. MetCom	S102 Patentfield Ltd.	Support Center(Tokyo Buisiness Frontier)
Advanced Media, Inc. Advanet Inc.	NIPPON TRAVEL AGENCY CO.,LTD./Total Brain Care Co. Ltd.	S070 Kort Valuta Inc.	X-Locations Inc.	S049 Phindex Technologies A081 Pinon Corporation	INTELLIGENCEWORKS Inc.
Al Booster Inc.	Nomi City SENDAI City/NIPPON TELEGRAPH AND TELEPHONE EAST	S071 mui Lab, Inc. S073 PLEN Robotics.Inc	MULTISOUP CO., LTD.	A146 Pixotope / Mitomo	TradeLog Inc. Advanced Research & Technology Inc.
airoo LLC ALAN Consortium	CORPORÁTION Miyagi Division	S074 SOINN Inc.	Cinarra Systems Japan GeoTechnologies, Inc.	S048 Poetics Inc.	FORCIA, Inc.
Japan Underwater Drone Association	TOPPAN DIGITAL INC	S075 ugo, Inc.	Kokusai Kogyo Co., Ltd.	A048 PowerCubeSemi, INC A121 Preferred Networks, Inc.	todo-o-nada Co., Ltd. GEECLE JAPAN CO., LTD.
AlphaDrive	K034 DONGUAN OPSCO OPTOELECTRONICS CO., LTD A091 DRQMEDICS	S076 Xenoma Inc. K007 IP Agent Corporation	Nightley Inc.	Q	AECOM Inc.
ALPS ALPINE CO., LTD. Amaryllo Inc.	A047 DYNACAST	K062 ISHIIHYOKI CO.,LTD.	unerry, Inc. ■A059 Lefixea	A108 Qsol Corporation	VITOM Inc.
American Express International, Inc.	E -	A045 Ishikari City,Hokkaido K055 it-labo corporation	A107 Lighttalk Inc.	R	alarmbox Inc. CrossCutJapan L.L.C.
AnalytiXense Co., Ltd. ANKR DESIGN Inc.	A098 E Ink Japan Inc.	A116 ITOCHU Techno-Solutions Corporation	P011 LIXIL Corporation AMDIab Inc.	K013 RCL DISPLAY LIMITED	GM inc.
ANRITSU CORPORATION	A068 East Japan Railway Company A118 East Nippon Expressway Company Limited	A023 Iwate Prefectural University Usami Lab.	TAKAGI SHUTA OFFICE LLC.	P001 Restar Electronics Corporation	ASAI ENGINEERING Co., Ltd.
Aoyama Gakuin University	S088 ECC COLLEGE OF COMPUTER AND MULTIMEDIA	J	M -	Restar Holdings Corporation PALTEK CORPORATION	CIS Corporation JESCO Co.,Ltd.
System control engineering Lab (Yoneyama Lab) Aoyama Gakuin University	A035 EDM CORPORATION A057 E-Globaledge Corporation	K016 Japan Aviation Electronics Industry, Limited	K011 M.A.P ELECTRONICS CO.,LTD.	VITEC ENESTA CO., LTD.	First Light, Inc.
Biosignals Measurement and	S083 Elephantech Inc	P012 Japan Electronics and Information Technology Industries Association Smarthome board	K028 Macnica,inc Altima Company	Vitec Vegetable Factory Uhuru Corporation	MORIPŪRA CO.,LTD
Kansei Engineering Lab (Nozawa Lab)	F —	AloT Cloud Inc.	S116 Makino Co.,Ltd A078 Marubeni Infomation Systems	S039 REVORN Co., Ltd	JPS LLC. Tsukumo Engineering Inc
oyama Gakuin University Computer Human Interaction Lab (Itoh Lab)	G006 Finland Pavilion	ECHONET Consortium	A087 Matrix Innovation Co., Ltd	K050 Riken Corporation	EYESAY Ltd.
oyama Gakuin University	Business Finland	Japan Advanced Institute of Science and Technology Japan Electronics and Information Technology	K051 MEDITECH TECHNOLOGY CO,, LTD.	S050 RoboSapiens Inc. S029 Robosensor Technology Research, Inc.	S020 / 031 Tokyo University of Technology
Thermal and Fluid Control Lab(FUMOTO Lab)	BusinessOulu (City of Oulu) Alif Semiconductor	Industries Association Smarthome board	A117 Merci Co.,Ltd. K009 MICRO TECHNOLOGY Co.,Ltd.	S053 Ryusei Co.,Ltd	S109 TopoLogic Inc., S099 TOPPAN DIGITAL INC.
oyama Gakuin University Wearable Environment and	Alif Semiconductor CoreHW	Sharp Corporation	A122 MIE ELECTRONICS CO., LTD.	NÍNGBO DEGSON ELECTRICAL CO.,LTD.	KINDAI UNIVERSITY
Information Systems Laboratory (Lopez Lab)	PrintoCent (Printed Electronics Cluster)	P009 Japan Electronics and Information Technology Industries Association,	A066 Mimasa Industry Co.,Ltd.	TOKYO RECTIFIER CO.,LTD.	S111 toraru co.,ltd.
REX Inc.	QuietOn S115 FLARESYSTEMS	Electronic Components Board / Display Devices Board	S138 mirrorX Inc. A002 Mitsubishi Electric coporation	A 111 CANICA/O TIMEC IN IC	A001 TOSHIBA CORPORATION K043 toto co.,ltd
ssociation of Radio Industries and Businesses vnet K.K.	S052 Flyby	ALPS ALPINE CO., LTD.	A067 MIXI, Inc.	A111 SANGYO TIMES INC. KO23 SCIVAX Corporation (3D Sensing)	A008 Tourism Forecast Platform Promotion Team
THE TAIL	A104 FORUM8 Co., Ltd.	Autonomous Driving Regional Mobility Consortium Computational Reality Lab., Hosei University	S026 Motion Lib, Inc.	S110 Secafy Co., Ltd	JAPAN TRAVEL AND TOURISM ASSOCIATION
ackscatter Communication Research Consortium	G003 France Pavilion	Human Centered Design Organization	S077 motojin.com, Inc. S047 MoyaCloud	K018 Seiko Epson Corporation	Blogwatcher Inc. Jorudan Co.,Ltd.
uetooth SIG	Business France Japan Office AMA	Human Centered Society Co-creation Organization	K003 Murata Manufacturing Co., Ltd.	■A102 SHARP CORPORATION ■A093 Shenzhen Huion Trend Technology Co., Ltd.	JSOL CORPORATION
OFIN (HONG KONG) LIMITED	BEFC	Japan Display Inc. JEITA Electronic Components Bord	N	A082 Shenzhen Utopia-Originality Technology.,Ltd	JTB Corp.
usiness+IT (SB Creative Corp.)	BYSTAMP BACK MARKET	Konyo Laboratory, Tohoku University	A077 N sketch Inc.	K060 SHINKO CO., LTD.	Near Intelligence Pte. Ltd. Opentone Co. Itd.
1100 114	CONTENTSQUARE	Macnica, Inc.	A074 NAGASE & CO., LTD.	S079 SK Fine Co.,Ltd. S028 Skillnote Corporation	Sumitomo Mitsui Card Company, Limited
&TCo., Ltd. ADDi inc.	DRACULA TECHNOLOGIES	Meijo University National Institute for Materials Science (NIMS)	S043 Nagaya University and Tokyo Metropolitan University, CREST CoAugmentation Project	A063 Sony Group Corporation	K024 TOWA Corporation
alTa Inc.	FACIL' ITI I-TEN	NEXTY Electronics Corporation	S032 Nagova University DII Collaborative Graduate Program	A022 SOÚYA CÓ., LTĎ.	A106 Toyo Electric Corporation A065 Toyo Ink SC Holdings Co., Ltd.
AMI&Co. AIKO DENSHI TSUSHIN, LTD.	MIRAKL	NVIDIA Opportion Corporation	for Accelerating Innovation in Future Electronics A025 NANOXEED CO.,LTD.	K037 Spard New Energy Co.,Ltd S027 SPONTO Inc.	A072 Traffic Sim Co.,Ltd.
AIKO DENSHI ISUSHIN, LID. NA.,Co.Ltd	TALLANO TECHNOLOGIES	Qception Corporation SHARP DISPLAY TECHNOLOGY CORPORATION	AU25 NANUXEED CO.,LTD. AU53 National Innovation Center par Excellence	K059 SUMITOMO BAKELITE CO., LTD.	A097 Trenser Technology Solutions (P) Ltd.
anada Ontario Pavilion	AGIGA KO45 Fuhua Electronic Co., Ltd	Shindengen Electric Manufacturing Co., Ltd.	Jiangsu Jitri Intelligent Manufacturing Technology	T -	U -
overnment of Ontario, Ministry of Economic Development, Job Creation and Trade	K005 Fujikura Ltd.	SUMIDA CORPORATION	Institute Co., Ltd	G007 Taiwan Cybersecurity & Innovations Pavilion	G005 U.S. Pavilion
luwave Al Inc.	A114 FUKUOKA Smart EAST	University of Tsukuba Feel Engineering Laboratory Utsunomiya University Yamamoto Laboratory	Institute of Digital Medical Technology, Shanghai Yangtze Delta Innovation Institute	Taiwan Information Security Association(TWISA)	U.S. Commercial Service Japan, U.S. Embassy American State Offices Association (ASOA)
50	G -	K038 Japan federation of electronic parts distributors & dealers	Shine Optoelectronics (Kunshan) Co., Ltd.	WiSECURE Technologies Corporation KeyXentic inc.	Vuzix Japan Corporation
NAGO Corp. Dejero Labs Inc.	A134 Gatebox Inc.	A086 Japan Space Systems	IWITH ROBOTICS CO., LTD. S103 National Institute for Materials Science (NIMS)	CHANGING Information Technology	Globalstar Japan Inc.
Diversys Software Inc.	A138 Gicho business communications Co.,Ltd. S137 Global Walkers, Inc.	P006 JEITA IT'S Committee P007 JEITA Semiconductor Forum 2023	A119 National Institute of Advanced Industrial Science	Share Tech Information Co.,LTD.	Qualtrics Japan LLC Avatour Technologies Inc.
Cobionix Corp.	A054 Gotocity	Semiconductor Board	and Technology	Authme Co., Ltd. Lydsec Digital Tech. Co. Ltd	Alarm.com Inc
CASIL SEMICONDUCTOR CO.,LTD /	P014 Green x Digital Consortium	KIOXIA corporation	A100 National Institute of Information and	Yallvend Tech	G002 UAE Pavilion
CHIPHOW MICROERECTRONICS(HUIZHOU)CO.,LTD CDR Eco Movement Inc.	Asuene Inc.	Sanken Electric Co., Ltd. Sony Semiconductor Solutions Corporation	Communications Technology (NICT) S125 National Institute of Information and	25sprout (SurveyCake)	The Embassy of the United Arab Emirates Shoroog Partners
Central Nippon Expressway Company Limited	Chaintope Inc, Claudio inc.	Toshiba Electronic Devices & Storage Corporation	Communications Technology: NICT	CHT Security Co., Ltd. CyCraft Japan Corporation	Krews
Central Research Institute of Electric Power Industry	Dai Nippon Printing Co., Ltd.	Nuvoton Technology Corporation Japan	S121 AlSing Ltd.	KO63 Taiwan Electrical and Electronic Manufacturers'	Falcon Robotics
CRIEPI okyo Science University	Deloitte Thomatsu Consulting LLC	Micron Memory Japan, K.K. Mitsubishi Electric Corporation	S126 Aromajoin Corporation S133 ARUM Inc.	Association (TEEMA)	IOTA Bitgrit
Iainichi Broadcasting System	Hitachi, Ltd. IPCORE Laboratory inc.	Renesas Electronics Corporation	S122 ATOMIQs	LENOO ELECTRONICS CO., LTD. ASLIKA AUTOTRONICS INC.	neoego
egumi Inc.	LOGISTEED, Ltd.	ROHM Co., Ltd.	S119 Avatar Platform Inc.	MAX ECHO TECHNOLOGY CORPORATION	iHealthScreen
okyo University of the Arts hiba Institute of Technology	MITSUBISHI ELECTRIC INFORMATION SYSTEMS CORPORATION	S007 / 012 Japan External Trade Organization(JETRO)	S132 Biome Inc. S123 Enishia, Inc.	CVILUX CORPORATION SFI ELECTRONICS TECHNOLOGY INC.	G009 Ukraine Pavilion Embassy of Ukraine in Japan
niba Prefecture	Nomura Research Institute, Ltd.	S004 Citydata	S127 Homura Heavy Industries Corporation	DARWIN PRECISIONS CORPORATION	Canyon Development
MEDEX CO., LTD	NTT DATA JAPAN CORPORATION	S008 Hangzhou RoboCT Technology Development	S130 leiroha.inc	Taiwan Electrical and Electronic Manufacturers' Association	Cardiomo
VAN Light Manufacturing Co.,LTD. udio Heart Co., Ltd.	The Kansai Electric Power Company, Incorporated	S003 HAPPLYZ Medical S002 HighLander	S120 LOOVIC Inc. S117 New Space Intelligence Inc.	EXCEL CELL ELECTRONIC CO., LTD.	COAX Software Computools
ise Company Limited	TOKAI ELECTRONICS Co. K033 GSI Creos Corporation	S005 LAKE FUSION Technologies GmbH	S124 N-Sports tracking Lab LLC.	WELL BUYING INDUSTRIAL CO., LTD. WINSTAR DISPLAY CO., LTD.	Devlight
RPmedia Co.,Inc	Brilliant Matters Organic Electronics Inc.	S011 Neolix	S131 Parity Innovations Co. Ltd.	GT CONTACT CO., LTD. PHINO ELECTRIC CO., LTD.	Eleks
nabashi Soukou obal Communication Planning Co., Ltd.	H -	S009 PeroPure S010 R2C2	S118 TIBr Tech(Hokkaido Univ & Tohoku Univ) S129 TransRecog Co., Ltd.	PHINO ELECTRIC CO., LTD.	Entrepreneurship and Export Promotion Office of GlobalLogic Ukraine
peraware CO,LTD,	A018 HAMAI ELECTRIC LAMP CO., LTD.	S006 SeeTrue	S128 yuni inc.	NAVISYS TECHNOLOGY CORP. HUA JUNG COMPONENTS CO., LTD.	G-MAK
ck Giken Kogyo Co., Ltd.	K008 HAMAMATSU PHOTONICS K.K. S015 Haseyama Laboratory, Graduate School of	S001 SKYVIEW(BIOS Lighting)	S044 National Institute of Technology,	SUNLIKE DISPLAY TECHNOLOGY CORPORATION	Kodisoft
AG Solutions Corp. ina Electronic Exhibition & Information Communication Co., Ltd.	Information Science and Technology, Hokkaido University	KO21 Jinhua East Crystal Electronic Co.,Ltd KO19 JLCPCB	Tokyo College、Mito Lab./ National Institute of Technology,	MICRO-STAR INTERNATIONAL CO., LTD.	Lampa Software Reface
yang Kayo Amorphous Technology Co., Ltd	A125 HATS Forum and CIAJ	K058 JOIE CO,LTD	Sendai College, Kobayashi Lab./	KINGSTATE ELECTRONICS CORPORATION SUNCA CO., LTD.	A126 UZABASE.INC
ingguan Dongsong Electronic Co. Ltd.	CIAJ Image Data Communications & Facsimile Committee CIAJ Multimedia Communications Committee	SO41 Jouhoukagakusenmongakkou A123 JR CENTRAL CONSULTANTS COMPANY	Tycoh & Co.,Ltd.	SIN YU TECHNOLOGY INC.	V -
Nilling LianFeng DongJin Electronic co.,Ltd enzhen Jinghua Displays Electronics Co., Ltd. enzhen KTC Technology Co.,LTD	CIAJ Multimedia Communications Committee CIAJ User Network Systems Committee	P013 JTB Corp.	A021 National Space Policy Secretariat, Cabinet Office, Government of Japan	EXPLUS CO., LTD.	KO44 VALUENEX Japan Inc.
enzhen KTC Technology Co.,LTD	Communications and Information Network Association of Japan	KO46 JUHEYUAN SCIENCE & TECHNOLOGY CO,LTD.	A014 NEC Group	WENTAI TECHNOLOGY CORPORATION KOO2 TAIYO YUDEN CO., LTD.	A080 VCCI Council S112 Vincero Inc.
enzhen XYC Industry Co., Ltd	Hitachi Information & Telecommunication Engineering, Ltd. NEC Platforms, Ltd.	A046 JVCKENWOOD Corporation	S089 Needs Explorer Inc.	P020 TAKENAKA CORPORATION	S112 Vincero Inc. Calibrite
enzhen Yunting Information Technology Co.LTD enzhen ZTX Communication Technology Co., LTD.	Oki Electric Industry Co., Ltd.	<u>K</u> —	S095 Network Engineering Labratory, Faculty of Environmental and Urban Engineering,	CGworks INC.	Capture One
ejiang Yuehua Telecommunication Co., Ltd.	The Telecommunication Technology Committee	K052 Kagakujyoho shuppan Co., Ltd.	Kansai University	UNIBA INC. GATARI Inc.	A060 VisasQ Inc.
nubu University Tsunekawa Laboratory	A015 Hitachi, Ltd. K006 Hokuriku Electric Industry Co.,Ltd.	S081 Kagawa University JST-CREST S042 Kanagawa Institute of Technology	A003 New Energy and Industrial Technology	S051 Tamagawa University, Qunatum ICT Research Institute	S113 VM-Fi Inc. Panasonic Entertainment & Communication Co., L
iukyo University TIZEN ELECTORONICS	K054 Holon create Inc.	TOPPAN Edge Inc.	Development Organization A011 nextEDGE Technology K.K.	K053 TAMURA CORPORATION	JDI Display Inc.
mb, Inc.	Ambient Mechatronics Lab., The University of Tokyo	JSP Inc.	A130 Nexty Electronics Corporation	■K026 TB Global Technologies Ltd. ■K001 TDK Corporation	QTnet, Inc.
at-X Japan Co., Ltd.	A031 Hong Kong Trade Development Council S040 HortPlan LLC	A026 Kandao Technology Co., Ltd. / Mitomo Co., Ltd. S105 Kansai Innovation Initiative (KSII) / Urban Innovation Institute	A006 NGK INSULATORS, LTD.	A092 Techno Brain	W
-creation Digital Twin Project ilmaster	S114 Hutzper Inc.	S107 Metro Weather Co., Ltd.	K041 NHK Foundation K036 NICHIA CORPORATION	A135 TENDA Co.,Ltd.	A016 West Japan Railway Company A136 WIZAPPLY Co., Ltd
operative Robotics Laboratory, Department of		S106 Reallmage Inc. S108 Thinker Inc.	S030 Nihon University	K020 TERUSANT co.,LTD. ECORICA Inc.	G010 Wordly
lectronic Engineering, Tokyo Denki University	S080 Illumina co., Ltd	S108 Thinker Inc. A038 Kaopiz Inc.	A052 Nikkan Kogyo Communications, Inc.	DETOUR INTERNATIONAL Co.,Ltd	S098 WORKS Co., Ltd.
ornes Technologies Ltd. DSMO SOUND Co.,Ltd.	A079 Impress Corporation	S023 Kawahara Laboratory, Tokyo University of Science	A012 Nippon Algorithm Co. Ltd K010 NIPPON CHEMI-CON	S014 The University of Tokyo	A013 Wovn Technologies, Inc.
RI Middleware Co., Ltd.	A024 IMR Business Cooperative S018 Indian Institute of Technology Hyderabad	P023 Keio University Haptics Research Center	A105 Nippon Dempa Co.,Ltd	A043 T-NET JAPAN P010 TODA CORPORATION	A A A A A A A A A A A A A A A A A A A
RIMSON TECHNOLOGY, Inc.	A028 Information Processing Society of Japan	A064 Keysight Technologies Japan K.K. A147 Kistler Japan G.K.	ON003 NIPPON SHOKUBAI CO., LTD.	S136 Tokyo Factory, inc.	A141 Xacti Corporation A132 Xreal Japan
JRIO SCHOOL VB Electronics(Japan) Co.,Ltd.	A129 Information-Technology Promotion Agency	K004 KOA CORPORATION	P019 Nippon Television Network Corporation NTT DATA Corporation	S034 Tokyo Institute of Technology Sakaguchi Lab	Y - Noar Japan
το είσσε στισοξυαρατή συζετα.	A032 Innovation Research Corporation S087 Institute of Post-LED Photonics, Tokushima University	S085 Kobe Univercity Kimura Laboratory	S037 Nishio Lab., Tokyo Institute of Technology	S025 Tokyo Institute of Technology, Nakamoto Lab P018 Tokyo Metropolitan Government	S021 Yamagata University, Innovation Center for Organi
ate City	A041 Interman	A154 KOSEI JAPAN Co.,Ltd. A027 Kurimoto, LTD.	0 -	TOKYO METOPOLITAN GOVERNMENT(SusHi Tech Tokyo)	S016 Yamagata University, START program
ite City . Sciences Inc.	S086 International Research Organization for	A027 Kurimoto, ETD. A094 KYEONG SEONG TECHNOLOGY Co.,Ltd.	P005 OBAYASHI CORPORATION	Hogaku inc.	S055 YOKOHAMA National University
ring Robot Inc.	Advanced Science and Technology(IROAST),	A004 KYOCERA Corporation	TIS Inc.	Hapbeat LLC.	K039 YOKUSUL Co.Ltd.
AKŪTA AMENITY CO.,LTD elta Electronics Japan	Kumamoto University S072 IoT H/W BIZ DAY 2023 by ASCII STARTUP	KYOCERA Communication Systems Co., Ltd. A088 KYOTO Industrial Support Organization 21	Unity Technologies Japan Co.,Ltd. Cellid, Inc.	m-Lab.inc comipro Inc.	A007 Yukai Engineering Inc.
ELTATOOLING CO.LTD.	S056 Archelis Inc.	KAGOYA JAPAN Inc.	P021 OKINAWA Pavilion-ResorTech EXPO &SCSK-	Spacial Inc.	-
empa Publications, Inc.	S057 INNOPHYS CO.,LTD.	Kokyo, Inc.	ISCO	A120 TOKYO METROPOLITAN INDUSTRIAL TECHNOLOGY	S090 Zeteoh, Inc. A127 ZOHO Japan Corporation
, and the second of the second	S058 INTER HOLDINGS inc.	KUŚAKAWASEIKI Co., Ltd.	SCSK Corporation	RESEARCH INSTITUTE wing robotics	S097 Zuva inc
enmark		SVIUDINS Co. 1+4			
nmark rtisia ApS	S059 Epistra Inc. / Warpspace Inc. S060 novars Inc.	SAIJOINX Co., Ltd. SAKIGAKE-Semiconductor Co., Ltd.	ResorTech EXPO 2023 in Okinawa Okinawa Prefectural Government	FLARE SYSTEMS	
enmark ortisio ApS ENTSU INC. fitsubishi Electric	S059 Epistra Inc. / Warpspace Inc.			FLARE SYSTEMS VR Design Institute N sketch	

Results -Exhibitors-

Results -Exhibitors-

Number of Exhibitors

684 Exhibitors & Organizations

Start up & Universities and Research Organizations

Exhibitors & Organizations



Area	Number of Exhibitors			Number of Booths	
Ared	Japan	Overseas	Total	Number of Booths	
Advanced Technology	181	56	237	639	
Key device	47	43	90	221	
Partners Park	128	5	133	168	
Startup & University	131	22	153	162	
Global	0	68	68	56	
Online	2	1	3	0	
Total	489	195	684	1,246	



(2 countries/regions: 33 Companies & Organizations) USA (23), Canada (10)

(8 countries/regions: 40 Companies & Organizations) Italy (1), ukraine (13), Switzerland (1), Denmark (2), Germany (2), Finland (7), France (13), Norway (1)

Asia (8 countries/regions: 111 Companies & Organizations) Singapore (3), Taiwan (42), China (45), Hong Kong (5), Vietnam (1)

Number of Overseas Exhibitors

21 Countries Regions

Companies & Organizations

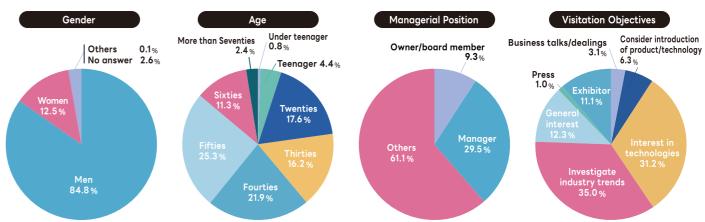
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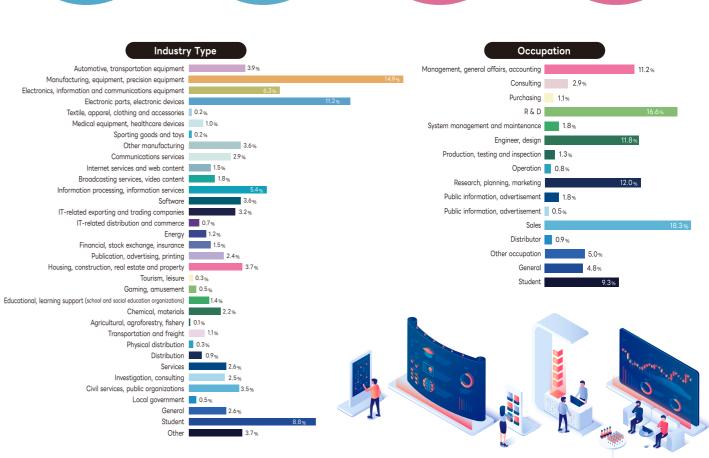
Number of Visitors

CEATEC 2023 Visitor Breakdown

	Oct. 17 (Tue.)	Oct. 18 (Wed.)	Oct. 19 (Thu.)	Oct. 20 (Fri.)	Total
Domestic visitors	15,684	16,346	18,761	21,748	72,539
Overseas visitors	211	219	252	292	974
subtotal	15,895	16,565	19,013	22,040	73,513
Press	428	74	73	68	643
Exhibit related	4,182	3,662	3,580	3,467	14,891
Total	20,505	20,301	22,666	25,575	89,047

Visitor Attributes *Note: The total composition ratio (percentage) may not be 100% due to the figures being rounded off.







Organizer

JEITA Japan Electronics and Information Technology Industries Association

Co-sponsors



Communications and Information Network Association of Japan,



Software Association of Japan

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