

GO Carbon Neutral!

世界を変える
挑戦を見にいこう。



EXHIBITION INFORMATION 人とくるまのテクノロジー展 2022 YOKOHAMA

Pre-Open 5/18-24
2022 / 5 / 25 WED 10:00-18:00 26 THU 10:00-18:00 27 FRI 10:00-17:00

PACIFICO Yokohama Registration Required
ONLINE STAGE 1 5/25TH - 31^{TU} From Monday, April 4

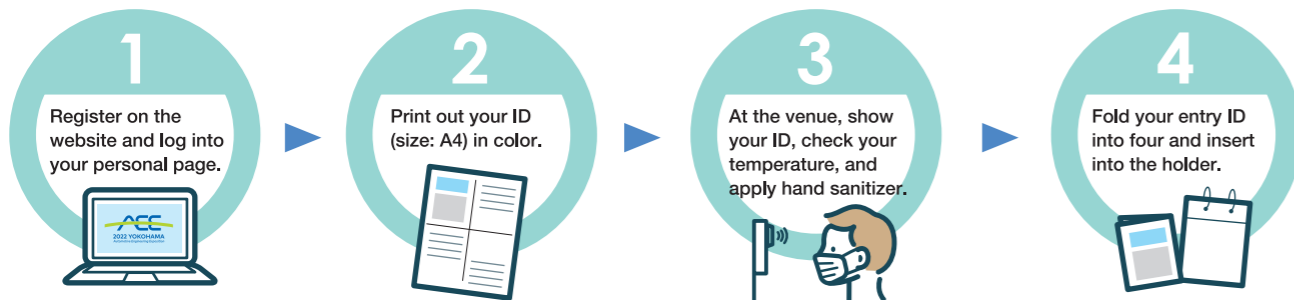
*A pre-open preview event will be held on the official Automotive Engineering Exposition website.
Please note that this information may be subject to change without notice. Check our website for the latest information.



A Glimpse of Upcoming Technologies An exhibition of technologies that show hints of the future of our car-based society

How to attend the Exposition

Please register in advance before arriving at the venue. To help prevent the spread of infection, registration desks on the day will not be prepared.



Thorough measures to prevent infection will be applied during the Exposition. These include:

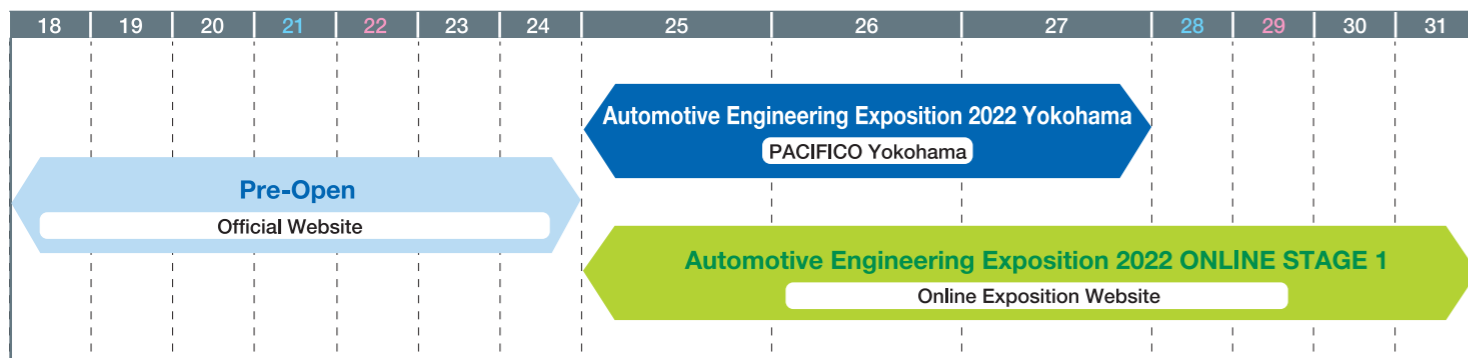
- Temperature checks of all participants
- Mandatory mask wearing by all participants
- Entry restrictions according to guidelines to minimize close contact
- Provision of designated medical facilities
- Provision of hand sanitizer at all entrances and exits
- Constant ventilation by keeping doors open and through air conditioning

Information in these materials may be subject to change. See the official website for the latest information. See the guidelines issued by the Japan Exhibition Association and the guidelines about preventing the spread of the novel coronavirus COVID-19 released by PACIFICO Yokohama for details.

人とくるまのテクノロジー展 2022 YOKOHAMA

Automotive Engineering Exposition 2022

5/18 WED - 5/31 TUE



A pre-open preview event for the AUTOMOTIVE ENGINEERING EXPOSITION 2022 YOKOHAMA will be held on the official Automotive Engineering Exposition website starting from Wednesday May 18. This pre-open event gives you a chance to see an overview of the products and services that will be on show at the real exhibitions, with no registration required! Enjoy a taster of this year's Automotive Engineering Exposition before the doors open! Note for your diary: The AUTOMOTIVE ENGINEERING EXPOSITION 2022 Nagoya and AUTOMOTIVE ENGINEERING EXPOSITION 2022 ONLINE STAGE 2 open on Wednesday June 29.

Special Exhibits Yokohama Online STAGE 1

Forging Ahead! The Road to Carbon Neutrality

Looking back over the history of automotive technology development, there have been various occasions in which the automotive industry has joined forces with other industries and strived to develop new technologies for the convenience and benefit of society as a whole. Today, as we face the challenge of decarbonization on a global scale, Japan and many other countries and regions around the world have stated their intention to realize carbon neutrality by 2050. With vehicle electrification seen as an important part of realizing this target, some countries and regions have introduced stringent restrictions on vehicles, some going as far as banning the sale of internal combustion engines. Japan is also studying a wide range of measures in line with the state of affairs in the country.

To help realize the global target of carbon neutrality, the automotive industry is widening the scope of its technological development to an extent never seen before and pursuing cooperation that transcends industry barriers.

We hope that the AUTOMOTIVE ENGINEERING EXPOSITION 2022 will provide support for your actions toward carbon neutrality.

-The Road to Carbon Neutrality Illuminated by New Decarbonization Technologies -

We focus on the development of renewable energy-related technologies, taking Japan's energy mix as a departure point, to help address various issues centered on and relevant to vehicle electrification. It examines the road to carbon neutrality from the standpoints of creation, storage, and use, and considers the potential effects of these technologies on the automotive industry as we aim for carbon neutrality.

Creation:

Power generation systems using renewable energy

The Creation zone features technologies for minimizing the generation of CO₂ in the energy production process, including technologies that harness natural energy sources such as the sun and wind to generate the energy indispensable for electrified vehicles in the age of carbon neutrality, as well as technologies that recover and react CO₂ with hydrogen obtained from natural energy sources to convert it into fuels for ICES.



Storage:

Latest storage battery and energy transportation technologies

The Storage zone presents technologies aiming to make hydrogen and electricity available for use at any time, anywhere, and by anyone, such as an initiative for producing hydrogen using untapped natural resources outside Japan and building a supply chain to transport the hydrogen to Japan, technologies for efficient onboard hydrogen storage, and technologies for diagnosing battery degradation, including new-concept batteries that are currently under development.

Use:

Increasing the efficiency of electrified vehicles and technologies for existing models

Focusing on raising the efficiency of vehicle drive technologies, the Use zone introduces the latest technological trends and showcases the potential for the popularization of mobility to help realize carbon neutrality, including new technologies aiming to further increase the combustion efficiency of conventional engines and utilize next-generation fuels such as bio and synthetic fuels, as well as technologies to raise the efficiency of electrified vehicles.

Exhibit Collaborators:

AHEAD (Advanced Hydrogen Energy chain Association for technology Development) / DENSO CORPORATION / Hitachi, Ltd. / Hitachi Zosen Corporation / Honda Motor Co., Ltd. / HySTRA (CO₂-free Hydrogen Energy Supply-chain Technology Research Association) / NEDO / Nihon University / Nissan Motor Co., Ltd. / NTT Advanced Technology Corporation / Sharp Corporation / TODA CORPORATION / TOSHIBA CORPORATION / TOYOTA MOTOR CORPORATION

* Listed in alphabetical order.

Special Presentations Online STAGE 1 Six online presentations have been arranged based on the Special Exhibits theme.

* The presentations will be re-broadcast between Monday May 30 and Tuesday May 31. (Broadcasts will also be available between Wednesday June 1 and Friday June 10 for JSAE members only.)

5/25 WED Starting at 10:00 (till the end of the day)

6th Strategic Energy Plan and Clean Energy Strategy Progress Report



Mitsuhiro Nishida

Director
Strategy Office, Agency for Natural Resources and Energy
Ministry of Economy, Trade and Industry

This presentation will report the progress of the 6th Strategic Energy Plan determined by the Cabinet in October last year, as well as the Clean Energy Strategy that is currently under consideration, and describe the measures expected of the automotive industry toward realizing carbon neutrality in 2050.

5/26 THU Starting at 10:00 (till the end of the day)

Current Status and Future Prospects of New Solar Cell Development - Cu₂O tandem solar top cells and film-based Perovskite solar cells -



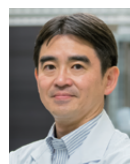
Kazushige Yamamoto / Isao Takasu

Fellows
Corporate Research & Development Center
Toshiba Corporation

This presentation describes the current status and future prospects for new solar cell development, focusing on the key characteristics and applicability of Cu₂O tandem and film-based Perovskite solar cells that are currently under development to facilitate the electrification of mobility and the adoption of renewable energy as a main energy source.

5/27 FRI Starting at 10:00 (till the end of the day)

Producing Carbon-neutral Synthetic Fuels



Shigeo Satokawa

Professor
Faculty of Science and Technology
Seikei University

Combustion involving carbon-neutral synthetic fuels creates no net increases in CO₂. These fuels can be produced using electricity derived from renewable energy, water, and CO₂. This presentation describes how this can be accomplished and the issues involved.

Transportation Systems in the Age of Carbon Neutrality



Yoshiro Owadano

Emeritus Researcher
AIST (National Institute of Advanced Industrial Science and Technology)

This presentation focuses on the realization of carbon neutrality in the transportation sector that remains highly dependent on fossil fuels, and discusses the road ahead and current state of carbon-neutral technologies.

Initiatives of NEDO in the Storage Battery Field



Hiroyuki Usuda

Director
Electricity Storage Technology Development Division,
Smart community and Energy Systems Department
NEDO

Storage batteries are a key technology for helping to resolve the issue of climate change. This presentation outlines the research and development initiatives of NEDO in the field of storage batteries, including the Green Innovation Fund.

Honda eMaaS: A Partnership between Mobility and Energy - "e" as a crucial addition to the idea of CASE -



Kazuyuki Iwata

Executive Chief Engineer
Innovative Research Excellence, Power Unit & Energy
Honda R&D Co., Ltd.

As the idea of CASE spreads, Honda has proposed the unique "Honda eMaaS" concept. This presentation discusses the electrification of mobility from the standpoint of resilience, including the "Moving e" initiative being pursued in collaboration with Toyota Motor Corporation, focusing on the Honda Mobile Power Pack.

Chief Engineer Presentations Online STAGE 1

Two presentations in which vehicle developers describe the passion and dedication the bring to carmaking have been arranged.

* The presentations will be re-broadcast between Monday May 30 and Tuesday May 31. (Broadcasts will also be available between Wednesday June 1 and Friday June 10 for JSAE members only.)

5/26 THU Starting at 10:00 (till the end of the day)

The New Outlander: a Powerfully Appealing Electrified SUV



Kentaro Honda

Segment Chief Vehicle Engineer
Product Development Division
Mitsubishi Motors Corporation

This presentation describes how the "majestic and imposing" product concept of the Outlander was realized by the development of a strong, user-friendly, and refined SUV with powerful and smooth driving performance. It introduces the new Outlander as a class-busting SUV thanks to the fusion of a newly developed platform with advanced 4WD and PHEV technologies.



5/27 FRI Starting at 10:00 (till the end of the day)

Development of the Next-generation Nissan Ariya EV



Hikaru Nakajima

Chief Vehicle Engineer
Product Development Department No.1
Product Development Division No.1
Nissan Motor Co., Ltd.

The engineer responsible for developing the Nissan Ariya describes the new technologies and appeal of this innovative crossover EV, including how it combines the powerful acceleration of an EV, smooth driving performance, and low noise with a comfortable lounge-like interior space.



Other Related Organized Events

The 2022 Annual Spring Congress

The 2022 Annual Spring Congress of the Society of Automotive Engineers of Japan is a hybrid event that will be held between May 25 and 27 at PACIFICO Yokohama and online.

In addition to the Technical Sessions, this year's Annual Spring Congress will also feature a Keynote Address, Student Poster Sessions, and more.

5/26 THU 17:00 ~ 18:00 **Keynote Address**

Innovation beyond the industries



Takafumi Anegawa

Fellow
Tokyo Electric Power Company Holdings, Inc.

Exhibitors List

Yokohama

Online STAGE 1

484 exhibitors / 1,055 booths

Only for Online

27 exhibitors

Exhibitors at Yokohama and stage 1 of the online exhibition

- A&D Co., Ltd.
A2Mac1 JAPAN K.K.
AAM International Holdings Inc.
AB Dynamics GK
Acuity Inc.
Advanced Propulsion Centre UK
Advanex Inc.
ADVANTEST Corp.
Agrati Japan Co., Ltd.
AICHI STEEL CORPORATION
AISAN INDUSTRY Co., Ltd.
AISIN CORPORATION
Altair Engineering, Ltd.
ams OSRAM Japan Ltd.
Arnsted Automotive Group
Analys Research Corp.
Ansys Japan K.K.
Anton Paar Japan K.K.
AOMI Precision Co., Ltd.
APL Automotive Japan K.K.
AR BROWN Co., Ltd.
araymond Japan Co., Ltd.
ARCHIVETIPS Inc.
Asahi Forge Corp.
Asahi Kasei Corp.
ASAHI RUBBER Inc.
ASAHI TEKCO Co., Ltd.
ASAM Japan G.K.
ASANO LABORATORIES Co., Ltd.
ASKK Co., Ltd.
Aspen Aerogels, Inc.
ATESTEO Japan K.K.
ATI Worldwide LLC
ATSENSE Inc.
AUTOCRYPT Co., Ltd.
AVL JAPAN K.K.
Baker Hughes Company
BETA CAE Systems Japan Inc.
Bollhoff K.K.
Borg Warner Morse Systems Japan K.K.
Bosch Corp.
Brose Japan Ltd.
Bruker Japan K.K.
bryka international Inc.
Buehler Motor
Candera Japan Inc.
Catana Corporation Ltd.
CATEC Inc.
CDH-Japan Ltd.
CDJapan K.K.
Cepton
Chip One Stop, Inc.
Chiyodakikou Co., Ltd.
CITIZEN FINEDEVICE Co., Ltd.
Clavis Japan Corp.
Concurrent Nippon Corp.
Continental Automotive Corporation Corp.
Comes Technologies Ltd.
COSMO OIL LUBRICANTS CO. Ltd.
Covestro Japan Ltd.
Creact Corporation Inc.
CRI Middleware Co., Ltd.
Dai Nippon Printing Co., Ltd.
DAIDO METAL Co., Ltd.
Daihatsu Motor Co., Ltd.
DAIKIN INDUSTRIES, LTD. Ltd.
DaikyoNishikawa Corp.
Daitron Co., Ltd.
Dassault Systemes K.K.
Data Design Co., Ltd.
Datatec Co., Ltd.
Delfingen Japan K.K.
DELO Industrial Adhesives
DELTA KOGYO Co., Ltd.
Dempe Publications, Inc.
DENSO Corp.
DEWE Japan Co., Ltd.
DIGITAL PROCESS Ltd.
DITECT Corp.
DJK Corporation
dSPACE Japan K.K.
DTS INSIGHT Corp.
DuPont
eOHTAMA Ltd.
Eastman Chemical Japan Ltd.
Easy Measure Co., Ltd.
Elektrobit Nippon K.K.
Elmos Japan K.K.
ErlingKlinger Marusan Co., Ltd.
ESI Japan Ltd.
ETAS K.K.
EXEDY Corporation
- F.C.C. Co., Ltd.
FASOTEC Co., Ltd.
Faurecia Japan K.K.
FEV JAPAN Co., Ltd.
Filmetrics JAPAN, Inc.
FIT Pacific, Inc.
Flanders Investment & Trade
Formlabs Inc.
FORUM8 Co., Ltd.
4 Assist Inc.
FOURIN Inc.
Fuji Electronics Industries Co., Ltd.
FUJI KEISOKU SYSTEM Co., Ltd.
FUJI POLYMER INDUSTRIES Co., Ltd.
Fuji Technical Research Inc.
FUJIFILM Imaging Systems Co., Ltd.
FUKUDA Co., Ltd.
FunctionBay K.K.
FURUKAWA ELECTRIC Co., Ltd.
FUTABA INDUSTRIAL Co., Ltd.
GAFS Co., Ltd.
Gaiologic Corp.
Gleason Asia Co., Ltd.
GLOBETECH Inc.
GMB CORPORATION
GSI Creos Corp.
H.E.F. DURFERRIT JAPAN Co., Ltd.
Hakuto Co., Ltd.
Haltermann Carless Japan G.K.
HAMAMATSU PHOTONICS K.K. Co., Ltd.
HAMANAKODENSO Co., Ltd.
HARASEISAKUSYO Co., Ltd.
HEAD acoustics Japan K.K.
HELLA Japan Inc.
HellermannTyton Co., Ltd.
Henkel Japan Ltd.
Hexagon
Highly Marelli Japan Corp.
HIROSE ELECTRIC Co., Ltd.
Hitachi Astemo Ltd.
Hitachi Metals Ltd.
Hitachi Solutions Co., Ltd.
HKS Co., Ltd.
HKT CORPORATION Co., Ltd.
Hoganas Japan K.K.
Honda Motor Co., Ltd.
HONDA TSUSHIN KOGYO Co., Ltd.
HORIBA Ltd.
Hottinger, Brüel & Kjaer
HUAWAI TECHNOLOGIES JAPAN K.K.
Humanetics Innovative Solutions Japan Inc.
HUTCHINSON JAPAN Co., Ltd.
I-PEX Inc.
iASYS Technology Solutions K.K.
IAV Co., Ltd.
ICHIKOH INDUSTRIES, Ltd.
IDAJ Co., Ltd.
Idemitsu Kosan Co., Ltd.
IDIADA Automotive Technology S.A.
iFLYTEK Automotive Japan Co., Ltd.
igus K.K.
IHI Corporation Co., Ltd.
IHI Inspection & Instrumentation Co., Ltd.
IHS Markit now a part of S&P Global
IMV Corp.
Intecho Co., Ltd.
Integration Technology Co., Ltd.
Interstellar Technologies Inc.
IPG Automotive K.K.
IRISO ELECTRONICS Co., Ltd.
Isabellenhuette K.K.
ISUZU MOTORS LIMITED
ITACCESS Co., Ltd.
IWATA BOLT Co., Ltd.
JAPAN 3D PRINTER Co., Ltd.
Japan Automobile Research Institute
JAPAN FUDO INDUSTRY Inc.
Japan Laser Corp.
JAPAN MOTOR RACING INDUSTRY ASSOCIATION
Japan Probe Co., Ltd.
Japan Quality Assurance Organization
Japan Radio Co., Ltd.
JATCO Ltd
JATO Japan Ltd.
JFE Techno Research Corporation
JMAG
JMC Corporation
JOMESA Japan K.K.
JTEKT Corporation
Kaneka Corp.
KANEKA TECHNO RESEARCH Corp.
KANOMAX JAPAN Inc.
KATO TECH Co., Ltd.
- KEEPER Co., Ltd.
KEIHIN SEIMITSU KOGYO Co., Ltd.
KEISOKU ENGINEERING SYSTEM Co., Ltd.
KEN AUTOMATION Inc.
KEYCOM Corp.
KEYENCE Corp.
Keysight Technologies Japan K.K.
Kimura Foundry Co., Ltd.
Kistler Japan G.K.
Kobe Steel, Ltd.
KURARAY Co., Ltd.
Kuwahara casting corporation Co., Ltd.
KYOCERA Corp.
KYOWA ELECTRONIC INSTRUMENTS Co., Ltd.
kyushu yanagawa seiki Co., Ltd.
Laser Measurement Corp.
Leica Microsystems K.K.
Leister Technologies Co., Ltd.
LEM Japan K.K.
Linamar Japan Inc.
Littelfuse Japan G.K.
MAC SYSTEMS Corp.
MAHLE Group
Manufacturing Support Center Shimosuwa
MarkLines Co., Ltd.
MARUBENI INFORMATION SYSTEMS Co., Ltd.
MARUBUN Corp.
MATEK Japan Inc.
MATSUI Corp.
MATSUI UNIVERSAL JOINT CORPORATION
Matsumoto Kosan Co., Ltd.
Matsusada Precision Inc.
Mazda Motor Corp.
MEIDENSHA Corp.
MICRO FASTENERS Co., Ltd.
Microwave Absorbers Inc.
Mitsubishi Chemical Corporation
MITSUBISHI MATERIALS CORPORATION
Mitsubishi Motors Co., Ltd.
Mitsui Chemicals, Inc.
MIZUNO TEKKOSHO Co., Ltd.
Molex Japan LLC
Moriroku Group
MOVING MAGNET TECHNOLOGIES SA
MTS Japan Ltd.
Mubea Japan Co., Ltd.
Murata Manufacturing Co., Ltd.
Muratec Mechatronics Co., Ltd.
MUSASHI ENGINEERING, Inc.
Myrtos Corp.
nac Image Technology Inc.
NACHI-FUJIKOSHI Corp.
Naka Liquid Control Co., Ltd.
Natoco Co., Ltd.
Neorium Technology Co., Ltd.
Netherlands Embassy of the Kingdom of the Netherlands
NetVision Co., Ltd.
NewtonWorks Corp.
NGK INSULATORS Ltd.
NGK SPARK PLUG Co., Ltd.
NHK Spring Co., Ltd.
NIDEK Co., Ltd.
NIHON DENKEI Co., Ltd.
Nihon Onkyo Engineering Co., Ltd.
Nihon Plasmareat Inc.
NIHON PLAST Co., Ltd.
Nihon Spindle Manufacturing Co., Ltd.
Nihon Synopsys G.K.
Nikon Corporation Nikon Solutions Co., Ltd.
NIPPO CORPORATION
Nippon Avionics Co., Ltd.
NIPPON CHEMICON Corp.
Nippon ITF Inc.
Nippon Kayaku Co., Ltd.
NIPPON PISTON RING Co., Ltd.
Nippon POP Rivets and Fasteners Ltd.
NIPPON SEIKI Co., Ltd.
NIPPON SHOKUBAI Co., Ltd.
NIPPON SOSEY KOGYO Co., Ltd.
NIPPON STEEL Corp.
NIRA Dynamics AB
Nishiyama Corp.
NISSAN ARC, LTD.
Nissan Motor Co., Ltd.
Nissin Manufacturing Co., Ltd.
NITTO BOSEKI Co., Ltd.
Nobby Tech, Ltd.
NOF METAL COATINGS ASIA PACIFIC Co., Ltd.
NOK Corp.
- NSK Ltd.
NTN Corp.
OCTEC Inc.
Oerlikon Japan Co., Ltd.
Oetiker Japan Co., Ltd.
OGAWA INDUSTRY Co., Ltd.
OHTE GIKEN Inc.
Okayama Prefecture Industrial Promotion Foundation
OKI Engineering Co., Ltd.
ONO SOKKI Co., Ltd.
Ontario, Canada
Optomet GmbH
Origin Co., Ltd.
OTICS Corporation
PALMESO Co., Ltd.
Panasonic Industry Co., Ltd.
PEM Japan Co., Ltd.
PHOTRON LIMITED
PolyPlastics Evonik Corp.
Polytec Japan
Prometech Software Inc.
PTV Group Japan Ltd.
PUES Corp.
Plobstec Industrial Co., Ltd.
QMAIL
Reactive Systems Incorporated
Reseach Center of Computational Mechanics Inc.
Research Institute for Computational Science Co., Ltd.
Riken Corporation
RIKEN TECHNOS Co., Ltd.
RION Co., Ltd.
Rollax GmbH & Co. KG
Rozetta Corp.
RPV Co., Ltd.
RYOBI Ltd.
RyomoSystems Co., Ltd.
SABIC Japan
SAGINOMIYA SEISAKUSHO Inc.
SANGO Co., Ltd.
SANKO Co., Ltd.
Sansha Electric Mfg. Co., Ltd.
SANWASEKI Ltd.
SANYO TRADING Co., Ltd.
SASAKI Inc.
Satyam Venture Engineering Services Private Limited
Sawakyu Industries Co., Ltd.
Schaeffler Japan Co., Ltd.
Schunk Carbon Technology K.K.
Science Solutions International Laboratory Inc.
SCSK Corp.
Sensata Technologies Japan Ltd.
ShibaSoku Co., Ltd.
shimadzu Corp.
Shinano Kenshi Co., Ltd.
SHINE ETSU DENSO Co., Ltd.
shinnippontokki Co., Ltd.
Shizuoka Industrial Foundation
Siemens Digital Industries Software
Siemens Digital Industries Software
SINFONIA TECHNOLOGY Co., Ltd.
SINO JAPAN ELECTRIC HEATER Co., Ltd.
Smart Eye Japan Co., Ltd.
SMK Corp.
SMT Japan
SOLIZE Corporation
SPAL Japan K.K.
Stringo Co., Ltd.
SUBARU CORPORATION
SUGIURA SEISAKUSHO Co., Ltd.
SUMIDA CORPORATION
Sumitomo Bakelite Co., Ltd.
Sumitomo Chemical Co., Ltd.
Sumitomo Electric Industries Ltd.
Sumitomo Heavy Industries Ltd.
Sunwa Trading Corp.
SUZUKI MOTOR Corp.
Syscom Inc.
System Plus Inc.
T.FUKASE Co., Ltd.
T.RAD Co., Ltd.
TAIHO KOGYO Co., Ltd.
TAIYO SANGYO TRADING & MARINE SERVICE Ltd.
Takagi Seiko Corp.
TAKASAGO, Ltd.
Tatsuta Chemical Co., Ltd.
TBK Co., Ltd.
TDK Corp.
TE Connectivity Ltd.
TEAC CORPORATION
Tec Gihan Co., Ltd.
TECHMATRIX Corp.
TECHNICAL SUPPORT Co., Ltd.
Teijin Limited
- TEXIO TECHNOLOGY Corp.
ThreeBond Co., Ltd.
TOBII TECHNOLOGY K.K.
Toda Kogyo Corp.
TODA RACING Co., Ltd.
TOGO SEISAKUSYO CORPORATION
Toho Engineering Co., Ltd.
TOHO K.K.
TOKAI RIKI Co., Ltd.
Tokorozawa Alloy Foundry Co., Ltd.
Tokyo Dylec Corp.
Tokyo Measuring Instruments Laboratory Co., Ltd.
TOKYO PARTS INDUSTRIAL Co., Ltd.
OTICS Corporation
TOPCON TECHNOHOUSE Corp.
Toshiba Electronic Devices & Storage Corp.
Toshiba Group
Toshiba Materials Co., Ltd.
TOSHIBA MITSUBISHI-ELECTRIC INDUSTRIAL SYSTEMS CORPORATION
TOYO Corporation
TOYO DENKI SEIZO K.K.
TOYO DRILUBE Co., Ltd.
TOYODA GOSEI Co., Ltd.
Toyota Auto Body Co., Ltd.
Toyota Boshoku Co., Ltd.
Toyota Motor Corporation Corp.
TOYOTA TECHNICAL DEVELOPMENT Co., Ltd.
TPR Co., Ltd.
Trioptics Japan Co., Ltd.
Tsubakimoto Chain Co.
TSUKASA SOKKEN Co., Ltd.
UACJ Corp.
UD Trucks Corporation
UL Japan Inc.
UNIONGOSEI Co., Ltd.
Unipulse Corp.
UNITIKA Ltd.
UNIVANCE Corp.
Vaisala K.K.
Valeo Japan Co., Ltd.
VBOX JAPAN Inc.
Velodyne Lidar / ARGO
VI-grade Japan Ltd.
Victrex Japan Inc.
VIOS SYSTEM Co., Ltd.
Virtual Mechanics Corp.
Vitesco Technologies Japan K.K.
Volume Graphics Co., Ltd.
Witzenmann Japan K.K.
YAMADA MANUFACTURING Co., Ltd.
Yamato Scale Co., Ltd.
YAZAKI Corp.
YOSHIKAWA Engineering Inc.
YUASA Co., Ltd.
YUEI Co., Ltd.
Zeon Corp.

Only exhibitors at stage 1 of the online exhibition

* Listed in alphabetical order (as of April 21, 2022, not including joint exhibitors).