Try the Next!

技術者が交流し、つながり、
未来をつくるイノベーションを

EXHIBITION INFORMATION

Automotive Engineering Exposition
人とくるまのテクノロジー展
NAGOYA 2023

7/5 WED 10:00 18:00 | 6 THU 10:00 18:00 | 7 FRI 10:00 17:00

Aichi Sky Expo

ONLINE STAGE 2 6/28 WED-7/19 WED

Registration Required From Tuesday, June 6

Please note that this information may be subject to change without notice. Check our website for the latest information.

JSAE

The Nagoya Exposition is changing.

Nagoya welcomes new events, new areas, and a new location!

Aichi Sky Expo

Total area of exhibition hall
Approximately 20,000㎡

Number of booths
At least 600 [planned]

Number of exhibiting companies
At least 250 [planned]

New Events

New events just for Nagoya, including the Japan Automotive AI Challenge Showcase hosted by the JSAE and an exhibition of vehicles featuring the latest technologies!

New Areas

A new dedicated exhibition area for start-ups and academic research institutions.

New Location

The gateway to central Japan by land, sea, and air. Directly connected to Chubu Centrair International Airport

Aichi Sky Expo

A glimpse of upcoming technologies at Japan's biggest automotive engineering exposition

Procedure for visitors to the Exposition

Please register in advance before arriving at the venue.
Registrations will not be accepted onsite.
Register in advance via the following QR code or URL.

Advance registration
https://aee.expo-info.jsae.or.jp/ja/

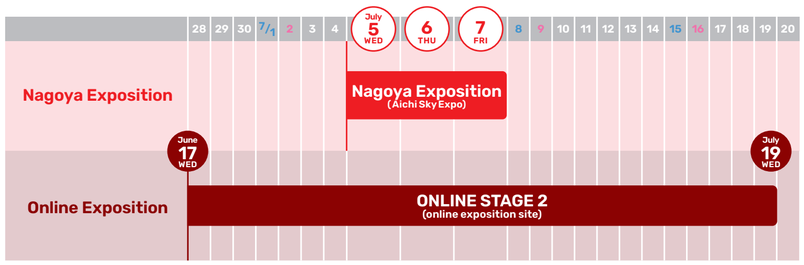
* Everyone attending this year's Exposition must register in advance (admission is free).

1 Register in advance via the official site.

2 Before you visit, check out the details of the exhibits at the online exposition.

3 Print out your entry ID in color (size: A4) and bring it to the venue.

The AUTOMOTIVE ENGINEERING EXPOSITION 2023 YOKOHAMA is a hybrid event that is being held both at Aichi Sky Expo and Online.



Gathering the Collective Wisdom of the Automotive Industry for Carbon Neutrality and the Recycling-oriented Society of the Future

As the world accelerates its efforts to realize decarbonization and sustainability, Japan as well as many other countries and regions are making progress toward carbon neutrality. Creative collaboration and recycling are the keys for overcoming global-scale issues and achieving a sustainable society. The automotive industry has a wide-ranging and powerful impact on society as a whole, and initiatives to eliminate carbon over the whole vehicle life cycle are absolutely essential for achieving carbon neutrality. To successfully implement these initiatives, the automotive industry must move on from the conventional linear process of resource exploitation, manufacturing, and disposal, to a socially oriented recycling-based system focused on the 3Rs (reduce, reuse, and recycle). Although we are standing at the crossroads of transformation, it will be no easy matter to change our common values. For this reason, we have to question conventional wisdom, look at things from new perspectives, and take on this challenge through a process of creative collaboration with new partners.
We must ask ourselves, "What technologies will make people and the world happy?" and build a value chain to help create new value through creative collaboration. We hope that everyone involved in the world of cars can meet at the Automotive Engineering Exposition 2023 and gather together our collective wisdom.

Using our knowledge, skill, and craftsmanship to create new valuechains for achieving a recycling-oriented society!

This exhibition showcases new ways to expand the value chains of the automotive industry to support the shift from a conventional linear society to a circular recycling-oriented society. Based on the theme of a circular economy, exhibits have been prepared about natural resource technologies, recycling schemes of other industries, steel recycling, regenerative technologies for chemicals in plastics, carbon recycling technologies, and technologies enabling the re-use of resources at production sites. This is the ideal forum for the whole industry to come together and consider how we can use our knowledge, skill, and craftsmanship to help achieve a recycling-oriented society.

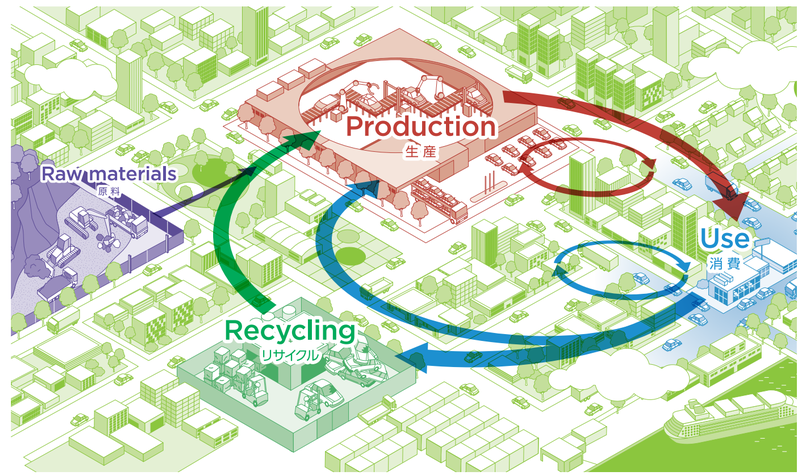


Exhibit collaborators and organizations (in alphabetical order)
Air Water Inc. / AGC Inc. / Dai Nippon Printing Co., Ltd. / DENSO Corp. / Honda R&D Co.,Ltd / JGC HOLDINGS CORPORATION / Mazda Motor Corporation / MIRAI-LABO CO.,Ltd. / Mitsubishi Corporation / Mitsubishi Corporation Clean Energy Ltd. / Mitsubishi Motors Co., Ltd. / NIPPON STEEL CORPORATION / NISSAN MOTOR CO.,LTD. / Resonac Corporation. / SUBARU Co., Ltd. / TOYOTA METAL CO. ,LTD. / Toyota Motor Corporation / TOYOTA TSUSHO CORPORATION

JSAE Special Presentations NAGOYA ONLINE STAGE 2

Conference rooms L3 and L4 (capacity: approx. 300)

Themed presentations will be held in-person at the venue and online.

July WED. 5 11:00-12:00

Studying the Decarbonization of Vehicle Recycling

Learn about emissions levels and the contents of research into countermeasures being pursued by the Japanese Ministry of the Environment toward the realization of carbon neutrality in vehicle recycling based on its report describing assessments and studies of the status of the vehicle recycling system, which was issued in July 2021.

Takeshi Sakaguchi
Deputy Director
Office for Recycling Promotion, Policy and Coordination Division, Environment Regeneration and Resource Circulation Bureau
Ministry of the Environment Government of Japan

July FRI. 7 11:00-12:00

Trends and Issues of LCAs of Steel and Other Key Materials

When selecting the key materials that go into building a vehicle, life cycle assessments (LCAs) are attracting attention as a means of assessing which materials have the smallest environmental impact. However, LCA analysis methods that factor in recycling are necessary because materials have different product units and repeated recycling can greatly reduce environmental impacts. This presentation covers the latest trends in this pressing area of research.

Takeo Hoshino
Graduate School of Engineering, Department of Material Science
University of Tokyo

JSAE Presentations Organized by the Chubu Branch NAGOYA ONLINE STAGE 2

Conference rooms L3 and L4 (capacity: approx. 300)

This presentation is organized by the Chubu Branch of the JSAE.

July WED. 5 13:30-14:30

The Carbon Neutrality Declaration of the Mitsubishi Heavy Industries Group: Initiatives for Achieving MISSION NET ZERO

The Mitsubishi Heavy Industries Group issued its MISSION NET ZERO carbon neutrality declaration in October 2021, and is currently building carbon-neutral management systems to achieve this mission. Identifying real-world states through actual practice is a necessary part of building highly effective management systems. The Mihara Machinery Works in Mihara, Hiroshima Prefecture is making progress toward becoming a carbon-neutral plant. This presentation describes the knowledge gained through these carbon-neutral plant initiatives and reports on the progress being made toward achieving MISSION NET ZERO.

Masayuki Morihara
Department General Manager
Carbon Neutrality Promotion Department
Mitsubishi Heavy Industries

July WED. 5 16:00-17:00

Technical Trends for Onboard Power Electronics and Example Applications for Higher Performance

This presentation describes technical trends related to power electronics, one of the most important technological fields for the electrification of mobility. It also details some of the basic technologies required for creating high added value in the fields of semiconductors, magnets, and circuits to help realize even higher performance products.

Jun Imaoka
Associate Professor
Institute of Materials and Systems for Sustainability
Nagoya University

The Japan Automotive AI Challenge Presentation NAGOYA ONLINE STAGE 2

Conference rooms L3 and L4 (capacity: approx. 300)

Presentation: About the Japan Automotive AI Challenge

July THU. 6 11:00-12:00

Current Status of Autonomous Driving Technology and Expectations for the Japan Automotive AI Challenge

The DARPA Urban Challenge kicked off the recent autonomous driving boom. Improvements in the performance of recognition technologies are being supported by data sets such as KITTI. Learn about the future prospects of the framework of this increasingly important project for both technological and engineer development.

Yoshiki Ninomiya
Designated Professor
Global Research Institute for Mobility in Society, Institutes of Innovation for Future Society
Nagoya University

A workshop will be held featuring moderator comments and panel discussions between people involved in the challenge.

July THU. 6 14:00-16:00 [planned]

Direction and Prospects for Software Engineer Development Targeted by the JSAE

The Society of Automotive Engineers of Japan (JSAE) has hosted the Japan Automotive AI Challenge since 2019 with the aim of attracting and nurturing software engineers. Moderated by Professor Nobuo Kawaguchi, this presentation will describe the current status of the Autoware software used in the Japan Automotive AI Challenge and the transdisciplinary initiatives aiming to realize a wide range of innovations in mobility. A panel discussion will also be held featuring participants in the Japan Automotive AI Challenge.

<Moderator>
Nobuo Kawaguchi
Professor
Global Research Institute for Mobility in Society, Institutes of Innovation for Future Society
Nagoya University

Available online only

Special Presentations about Technological Development

These are special presentations focusing on the passion and dedication that engineers apply to development.

FRI. July 7 14:00～15:30 [planned]

Development of MAZDA CX-60

The CX-60 is the first model in Mazda's Large Product Group and combines superb product appeal with even lower environmental impacts. Focusing on the company's unique approach to carmaking, the development team elevated the main attraction of the Mazda brand, namely the joy of driving, to new heights while realizing the highest possible environmental and safety performance. Learn about the characteristic technologies that define Mazda's identity while listening to behind-the-scenes anecdotes from the leading engineers of the CX-60.

Kohei Shibata
Project General Manager
Product Development Center
Mazda Motor Corporation

1. **Strategy of MAZDA and CX-60 features.** ····· **Kohei Shibata** (Program Manager, Product Development Div.)
2. **New 7th generation large FR platform.** ····· **Yasuyoshi Mushitani** (Senior Principal Engineer, Chassis Dynamics Development Dep. Vehicle Development Div.)
3. **New 3.3L Inline-6 diesel engine.** ····· **Kazuhiro Tomizawa** (Program Manager, Powertrain Development Div.)
4. **New 8-speed automatic transmission, Hybrid technology.** ····· **Junichi Doi** (Program Manager, Powertrain Development Div.)
5. **Mixed production technology for multiple models.** ····· **Naomichi Okabayashi** (Staff Manager, Trim & Final Assembly Engineering Gr. Painting, Trim& Final Assembly Engineering Dept. Production Engineering Div.)

The presentations will be streamed online in real time and archived for later viewing. **Free admission, advance reservation required** Anyone wishing to see these presentations live and onsite must make a reservation in advance.
Archive streaming will be available from Wednesday, July 12 to Wednesday, July 19. * The archives will remain available for JSAE members only from Thursday, July 20 to Friday, July 28.

Exhibition of Vehicles Featuring the Latest Technologies NAGOYA Exhibition Hall

This is a brand new exhibition for Nagoya's new exposition venue.
Learn and interact with cutting-edge technologies through a collection of exhibits featuring the latest passenger vehicles, heavy-duty trucks, and motorcycles.

HONDA
ZR-V e:HEV

MAZDA
CX-60 Biofuel

NISSAN
X-TRAIL

TOYOTA
PRIUS

HINO
DUTRO Z EV

HONDA
EM1 e:

ISUZU
GIGA

HINO
Fuel cell electric heavy-duty truck

Japan Automotive AI Challenge Exhibition NAGOYA Exhibition Hall

The theme of this exhibition is Japan Automotive AI Challenge, a project hosted by the JSAE to foster the development of engineers. This exhibition features exhibits and demonstrations of autonomous driving and is designed as a forum to encourage networking between software engineers and the automotive industry.

Event held with support from: Nagoya University (TMI) / AISAN TECHNOLOGY CO.,LTD.

What is the Japan Automotive AI Challenge?

The Japan Automotive AI Challenge is a project designed to attract and nurture software engineers working in new technical fields related to CASE and MaaS. It features annual simulation and integration competitions.

▲ Outline of the 2022 Integration Competition

\ Exciting new features at the AUTOMOTIVE ENGINEERING EXPOSITION 2023 NAGOYA /

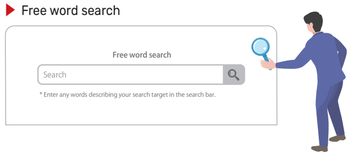
Recommendations for using the online exposition

1 Search for the technologies and products that you are interested in.

At the online exposition site...

▶ Search by field

▶ Free word search



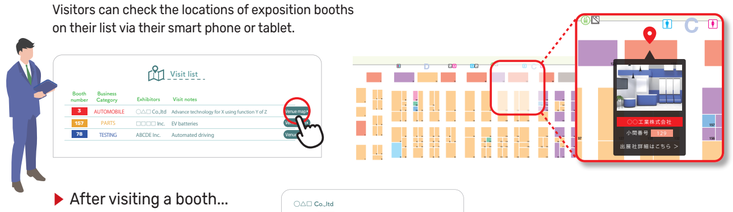
2 Create a visit list from the search results.

▶ Create and add search results to your list with a single click.

3 Automatically reflect your visit list on a digital map.

▶ At the venue...

Visitors can check the locations of exposition booths on their list via their smart phone or tablet.



▶ After visiting a booth...

Enter a comment in the visit notes field that you can use when preparing your visit report.

You can check out, learn, and look up information at any time during the exposition.

List of exhibitors

NAGOYA ONLINE STAGE 2 259 exhibitors / 644 booths ONLINE STAGE 2 14 exhibitors

Exhibitors at both NAGOYA and ONLINE STAGE 2

A&D Corp.
A2MAC1 JAPAN K.K.
ACHILLES Corp.
ADVANTEST Corp.
AGC Inc.
Aiko Spring Co., Ltd.
Air Water Inc.
AISIN CORPORATION
Amphenol Japan Ltd.
ANALOG DEVICES K.K.
ANRITSU CORPORATION
Ansys Japan K.K.
aptpod, Inc.
ARCHIVETIPS Inc.
Arkema K.K.
Ascend Performance Materials Japan K.K.
ATESTEO Japan K.K.
ATG Lanka Pvt Ltd.
AUTO TECHNIC JAPAN Co., Ltd.
Automax Co., Ltd.
Bax Inc.
BETA CAE Systems Japan Inc.
BOCAR Group Auma Engineered Product K.K.
Caillau
Canon IT Solutions Inc.
Celanese Japan Ltd.
Chunichi Craft Co., Ltd.
CORRENS CORPORATION
Covestro Japan Co., Ltd.
CPE ELECTRONICS Co., Ltd.
CRI Middleware Co., Ltd.
DAD Co., Ltd.
DAIDO KOGYO KAISYA,LTD.
Daido Metal Co., Ltd.
DAIHATSU MOTOR Co., Ltd.
Daitron Co., Ltd.
Dell Technologies Japan Inc.
DENSHIJIKI INDUSTRY Co., Ltd.
DENSO Corp.
DEWEJapan Co., Ltd.
DITECT Corp.
DM Card Japan Co.,Ltd.
DTS INSIGHT Corp.
DuPont Group
Easy Measure Co., Ltd.
EKO INSTRUMENTS Co., Ltd.
ETAS K.K.
EVIDENT Corp.
FORUM8 Co., Ltd.
Fuji Technical Research Inc.
FUJIKURA COMPOSITES Inc.
FUKOKU Co., Ltd.
Fukui Byora Co., Ltd.
FURUKAWA ELECTRIC Co., Ltd.
GAFS Co., Ltd.
Gailogic Corp.
GEOMATEC Co., Ltd.
GEOSURF CORPORATION
GeoTechnologies Inc.
Globetech Inc.
GOHSYU CORPORATION
HASHIBA INTERNATIONAL Inc.
Hashimotoya Co., Ltd.
HEAD acoustics Japan K.K.
Henkel Japan Ltd.
Hino Motors Ltd.
HIOKI E.E. CORPORATION
HIROSE ELECTRIC Co., Ltd.
Hitachi Industry & Control Solutions Ltd.
HOEI METAL Co., Ltd.
Honda Motor Co., Ltd.
HONDA TSUSHIN KOGYO Co., Ltd.
Honortech International Limited Ltd.
HORIBA Ltd.
HOTTY POLYMER Co., Ltd.
Humanetics Innovative Solutions Japan K.K.
I-PEX Inc.
IDAJ Co., Ltd.
igus k.k.
IJTT Co., Ltd.
IKUYO Co., Ltd.
Illumination Co., Ltd.
INOAC CORPORATION
IP Agent Corp.
IR System Co., Ltd.
IRISO Electronics Co., Ltd.
ISUZU MOTORS LIMITED
ITACCESS Co., Ltd.
ITT CANNON Ltd.
JAPAN 3D PRINTER Co., Ltd.
Japan Quality Assurance Organization
Japan Radio Co., Ltd.
JEOL Ltd.
JFE Techno Research Corporation
JL MAG RARE-EARTH JAPAN Co., Ltd.
JOMESA Japan K.K.
K&GmbH
KATO SEISAKUSHO Co., Ltd.
KEEPER Co., Ltd.
Keycom Corp.
KEYENCE Corp.
KIKUSUI ELECTRONICS Corp.
Kimura Foundry Co., Ltd.
Knowles Electronics Japan, K.K.
KOBELCO Group (Kobe Steel, Ltd.)
KoyoHighPrecision
Kurabo Industries Ltd.
Kuraray Co., Ltd.
Kurashiki Kako Co., Ltd.
KURIMOTO Co., Ltd.
KYOWA ELECTRONIC INSTRUMENTS Co., Ltd.
Laser Measurement Corporation
Lasertec Corp.
Lauterbach Japan, Ltd.
LINTEC Corp.
Loccioni Japan Co., Ltd.
MAC SYSTEMS CORPORATION Co., Ltd.
Martinrea Automotive Japan Inc.
Marubeni Information Systems Co., Ltd.
MARUBUN Corp.
Matsumoto Kosan Co., Ltd.
Matsuo Sangyo Co., Ltd.
Mazda Motor Corporation
MCOR Co., Ltd.
MEIDENSHA Corp.
Meiji Electric Industries Co., Ltd.
METALART CORPORATION
MICRO FASTENERS Co., Ltd.
Microtech Laboratory Inc.
MinebeaMitsumi Inc.
Misaki Design
MITEC Co.,LTD
Mitsubishi Chemical Corporation
Mitsubishi Motors Co., Ltd.
Mitsui Chemicals, Inc.
Miyakichi Glass Co., Ltd.
Moog Japan Inc.
Morironu Group
Murata Manufacturing Co., Ltd.
Muratec Mechatronics,co.,Ltd. / Muratec Frontier, LTD
MUSASHI ENGINEERING, INC.
Myway Plus Corporation
nac Image Technology Inc.
Nakashima Sangyo Co., Ltd.
NEC Solution Innovators, Ltd.
NewtonWorks Corp.
NHK SPRING Co., Ltd.
NI
NICHICON CORPORATION
NIHON PLAST Co., Ltd.
Nikon Corporation /Nikon Solutions Co., Ltd.
Nikon-Trimble Co., Ltd.
NIPPO CORPORATION Co., Ltd.
Nippon Cannon Inc.
NIPPON DONALDSON, Ltd.
Nippon Light Metal Company Ltd.
Nippon Tanshi Co., Ltd.
NIPPON TELEVISION NETWORK Corp.
NIRA Dynamics AB
Nissan Motor Co., Ltd.
Niterra Co., Ltd.
Nobby Tech. Ltd.
ogawa Inc.
OHTE GIKEN, Inc.
OILES Corp.
Okayama Prefecture Industrial Promotion Foundation
Okazaki Manufacturing Company
ONO SOKKI Co., Ltd.
OPSOC Inc.
OSG SYSTEM PRODUCTS Co., Ltd.
OTA CITY INDUSTRIAL PROMOTION ORGANIZATION
PHOTRON LIMITED
Pulstec Industrial Co., Ltd.
QMAIL
rFpro Limited
RICOS Co., Ltd.
RIGOL JAPAN Co., Ltd.
RION Co., Ltd.
RPV Co., Ltd.
S&P Global Mobility
SABIC Japan
SAN FANG CHEMICAL INDUSTRY Co., Ltd.
SAN-EI Co., Ltd.
SANKO Co., Ltd.
Sanyo Trading Co., Ltd.
Satyam Venture Engineering Services Private Limited
SCSK Corp.
SEAFORCE CO LTD
SEIKO ADVANCE Ltd.
SEKIDAI KOGYO Co., Ltd.
Sekisui Fuller Co., Ltd.
SGK CO .LTD
SGS Japan Inc.
SHIMADZU Corp.
SINO-JAPAN ELECTRIC HEATER Co., Ltd.
SJM CO., LTD.
SMT JAPAN
Solidray Co., Ltd.
SOLIDWORKS JAPAN K.K.
SOLIZE Corporation
SPAL JAPAN K.K.
SPC ELECTRONICS Corp.
Stringo Co., Ltd.
SUBARU Co., Ltd.
Sumika Chemical Anarysis Service Co., Ltd.
Sumitomo Bakelite Co., Ltd.
Sumitomo Chemical Co., Ltd.
Sumitomo Electric Industries Ltd.
Sun Ken Industrial Techniqui Co., Ltd
SUZUKI MOTOR Corp.
SWCC Corporation
T.FUKASE Co., Ltd.
Taica Corp.
TAIHO KOGYO Co., Ltd.
TAIYO YUDEN Co., Ltd.
TAKASAGO, Ltd.
TASKING Japan Co., Ltd.
TE Connectivity Gr.
TEIJIN Ltd.
Teldyne LeCroy
TESCO Corp.
Texas Instruments Japan Ltd.
TOBATASEISAKUSHO CO.,LTD
TOBII TECHNOLOGY K.K.
TODA RACING Co., Ltd.
Tokyo Measuring Instruments Laboratory Co., Ltd.
TOP Co., Ltd.
Topia Co., Ltd.
Toray Industries, Inc.
TOYO Corp.
TOYO DRILUBE Co., LTD.
TOYO INK GROUP
TOYOTA AUTO BODY Co., Ltd.
Toyota Motor Corporation
TOYOTA TECHNICAL DEVELOPMENT Corp.
TRIS Inc.
TSUBAKIMOTO CHAIN Co., Ltd.
Tsutsui Industry Co., Ltd
UACJ Corporation Corp.
UL Japan Inc.
UNIPULSE Corp.
UNIVANCE Corp.
VIOS System Co., Ltd.
Witzenmann Japan K.K.
Yukai Engineering Inc.

Exhibitors at the online exposition only

Carl Zeiss Co., Ltd.
CDH Japan Ltd.
Cognex K.K.
iFLYTEK Automotive Japan Co., Ltd.
Keysight Technologies Japan K.K.
LEM Japan K.K.
NOK Corp.
Optomet GmbH
OTSUKA SEIKO Co., Ltd.
Quest Global
SANWASEIKI Ltd.
Shindengen Electric Manufacturing Co., Ltd.
TECHMATRIX Corp.
UD Trucks Corp.

Exhibitors from start-ups and academia NAGOYA ONLINE STAGE 2

Brand new technologies, concepts, and encounters are waiting for you!

This event features exhibitions from the start-up companies that will lead the industry in the future and academic institutions aiming to implement the results of their research in society.

Araya Inc.
Babieca
DaiwaProTech
FastLabel.inc
FIME JAPAN Co., Ltd.／NFC FORUM
Foundation for Computational Science
K6GmbH
NAGOYA INSTITUTE OF TECHNOLOGY
Nature Architects
PatSnap
Tanaka Lab., Graduate school of Eng., Nagasaki Univ.
Tebiki Inc.
Tokyo University of Marine Science and Technology
Laboratory of Detection of Tree-Dimensional Center of Gravity
transmit inc.
wolfSSL Inc.

* Listed in alphabetical order (as of Friday, June 16, 2023, not including joint exhibitors).

July 6 THU. JSAE Research Report Sessions Organized by the Chubu Branch NAGOYA

Research report sessions organized by engineers in JSAE Chubu region.

Venue 1 Conference room L5 〈capacity: approx. 70〉

1	Core Technology (1) 10:30-11:40	Advics Co., Ltd.	Kazuma Tozawa	Development of AHB-G heavy flow rate gear pump
2		Aisin Takaoka Co., Ltd.	Yoshiya Tanaka	Development of FC stack terminals for FCEVs
3		Tokai Rika Co., Ltd.	Kento Kataoka	Development of highly accurate position measuring technology for digital keys using UWB wireless system
4	Chassis・Body/Non section 12:10-12:55	JTEKT Corporation	Harutaka Tamaizumi	Development of link-free steer-by-wire system
5		Toyoda Gosei Co., Ltd.	Takaaki Kamijo	UVC-LED antiviral ducts for air conditioners
6	Core Technology (2) 13:40-14:25	Toyota Auto Body Co., Ltd.	Takayuki Ikeda	Development toward the general adoption of plant-based materials in vehicles
7		Aisin Corporation	Katsuya Nozue	Development of pneumatic mechanical valve
8	Core Technology (3) 14:55-16:05	Taiho Kogyo Co., Ltd.	Yuto Kodama	Utilization of boundary films by the application of lubricating oil additives - copper alloys for engine bearings
9		Jatco Ltd.	Toshihiro Oda	Development of gear material and manufacturing method - improve yield strength under lubrication-poor environments
10		Niterra Co., Ltd.	Kentaro Ichihashi	Introduction of piezoelectric ceramics/devices and applicability - next-generation mobility fields

Venue 2 Conference room L6 〈capacity: approx. 70〉

1	Powertrain (1) 10:30-11:40	Toyota Central R&D Labs., Inc.	Takato Ikedo	State estimation of aftertreatment system using modeling method based on machine learning - Proposal of NOx storage reduction catalyst model and evaluation of estimation accuracy using actual engine data -
2		Nissan Automotive Technology Co., Ltd.	Tomoyoshi Chiba	Battery cooling and quick-charge control optimization for long-distance trip in Kei-EV
3		Daido Metal Co., Ltd.	Akira Ando	Development of multi-layer bismuth-antimony overlay bearings for vehicle engines
4	Powertrain (2) 12:10-12:55	Toyota Motor Corporation	Yoshinori Miyamoto	A study of the mechanism of abnormal ignition in H2 engine
5		Toyota Boshoku Corporation	Tatsuya Goto	Development of plastic timing chain cover
6	Stability/Non section 13:40-14:25	Yamaha Motor Company Limited	Shota Yamaguchi	Reproduction of equations of motion for motorcycles including concentrated stiffness using multi-body dynamics model
7		Toyota Technical Development Corporation (TTDC)	Kazuhiro Muraguchi	Development of FPGA-to-FPGA communication technology for a large-scale real-time simulator of electric vehicles
8	Electronics/ Environment Technology 14:55-16:05	Denso Corporation	Yusei Nakayashiki	Novel automatic switching technology for transmitter coil of dynamic wireless power transfer system
9		Suzuki Motor Corporation.	Hiroki Osanai	Development of street lights reusing onboard lithium-ion batteries

Access

For those coming By Shinkansen
Tokyo Station → (About 100minutes Tokaido Shinkansen) → Nagoya Station → (8min. walk) → Meitetsu Nagoya Station → (Fastest 28min. Meitetsu Tokoname Line) → Meitetsu Central Japan International Airport Station → (5min. walk) → Aichi Sky Expo
Shin-Osaka Station → (About 50minutes Tokaido Shinkansen) → Nagoya Station

For those coming By train
Please use the Meitetsu Tokoname Line.
Meitetsu Nagoya Station → (Fastest 28min. Meitetsu Tokoname Line) → Meitetsu Central Japan International Airport Station → (5min. walk) → Aichi Sky Expo

For those coming By private car
Take the Chita Peninsula Road from the Odaka Tollgate → (About 20mins.) → Take Handa Chuo JCT toward Centrair → (About 15mins.) → Passing through the Rinku Main Line Tollgate to the airport island → (About 1min) → Aichi Sky Expo

For those coming By air
Haneda Airport (About 60minutes) / Fukuoka Airport (About 70minutes) / New Chitose Airport (About 110minutes)
→ Chubu Centrair International Airport → (5min. walk) → Aichi Sky Expo