# Japan's First Exhibition for Autonomous Driving Technology

1st Autonomous Driving Technology Expo will debut in AUTOMOTIVE WORLD 2018. "Autonomous Driving" is one of the hottest topics in the world and especially in Japan automakers are working hard to put it to practical use before 2020 when the Olympic and Paralympic will be held in Tokyo.

The latest and essential technologies for autonomous driving such as sensors, LiDARs, ADAS technologies, Dynamic Maps, Semiconductors, AI(Artificial Intelligence), etc. will all gather!

## Exhibits (Excerpts)

*In random order

### ADASmap / AISAN TECHNOLOGY CO., LTD.

For research and development of automatic driving and safe driving support, We are using automobile related companies and universities. We offer it in a format that can be matched with various terminals, databases, and map systems.   >>>Details

### ISC-100VM / ITD Lab

Stereo Range Imager Technology is used in "Subaru EyeSight", which Dr. Keiji Saneyoshi, Director, CTO, ITD Lab Corp., invented during his working for SUBARU. Starting from this base, we have accomplished the most cost-effective + highest performance Stereo Camera system for Autonomous operation.   >>>Details

### LiDAR sensor ( Velodyne LiDAR, Inc. ) / ARGO CORPORATION

Autonomous driving system is required large area scanning to grasp walking people, bicycle, car etc... clearly. LiDAR sensor will enable to measure detail distance of all objects. We introduce Velodyne LiDAR sensor in our booth.   >>>Details

## Wissen eMirror Technologies / K.K. WISSEN AUTO SENSING

The HD wide rear view image is displayed on the smart mirror, using the images captured by streaming rear view and side view camera modules, as well as the rectification and stitching algorithm.
Features of the module include high sensitivity and wide dynamic range, which enables objects to be captured clearly in complicated brightness environment.
Blind Spot Detection is also integrated in the system.  >>>Details

## FX3 Eyetracker ( EyeTracking, Inc. ) / CREACT INTERNATIONAL CORP.

The FX3 delivers high performance eye tracking, face tracking and cognitive state detection, all from one device.  >>>Details

## Test system for V2X/5G car antennas ( RanLOS AB ) / CORNES TECHNOLOGIES LTD.

The Random Line of Sight measurement chamber is a solution for testing wireless performance of cars.
The solution systematically simulates real usage on highways and in cities, and all relevant standards can be measured; such as 3G, 4G, 5G and Wi-Fi.
The Solution is based on the Random Line of Sight technology, developed by Professor Per-Simon Kildal at Chalmers University of Technology.  >>>Details

## SVNet / STRADVISION K.K.

SVNet is an image recognition technology that enables accurate environment perception. It allows vehicles to identify objects(pedestrian, vehicles, cyclist) and conditions in the immediate environment using on board cameras. and it works on various autonomous platforms.
>>>Details

## RoboCar series / ZMP INC.

RoboCar series will be R&D experiments fleet which shall run, turn and stop the vehicle by Autonomous Driving(AD) Controller. >>>Details
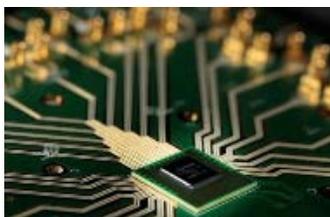
## VYYR2401- 3D Imaging Sensor / VAYYAR IMAGING LTD.

Vayyar's 3D imaging sensor RFIC, able to manage up to 24 full T/R antennas, in wide frequency range, and with UWB. Chip + reference design, cloud analysis without privacy issues  >>>Details

### Interoperability Testing/ UL Japan

Offers real-world, custom made test plan to meet product specifics.
For products using wireless technologies such as Bluetooth, Wi-Fi and NFC, assuming the user experience, we test the interoperability of the smart phone.
UL has laboratories in four overseas countries not only Japan and offers the interoperability testing with local smartphone a real network environment. >>>Details

### Autonomy driving solutions of multi-sensor fusion / SHENZHEN ROADSTAR TECHNOLOGY CO., LTD.

The solutions of multi-sensor fusion refer to measuring and perceiving by multiple sensors. By means of extraction and fusion of original data of sensors and uniform output. The time of implementing data at sensor level is accurately synchronized with the space and complements each other advantages to better improve the robustness of autonomy driving algorithm and safety of autonomy driving. >>>Details

### Infotainment control / EYESIGHT TECHNOLOGIES LTD.

eyeSights market leading touch free gesture recognition solution offers simple interaction with the infotainment system.
Using very simple hand gestures the driver and passengers can control the infotainment system without touching or looking at the screen, thus reducing cognitive load. >>>Details

### Eyes-On/ FORESIGHT AUTOMOTIVE LTD.

Superior Stereo Detection Tech for ADAS & Autonomous Driving.
Eyes-On creates and analyzes a one-of-a-kind 3D image in order to foresee possible collisions with vehicles, pedestrians, cyclists and all other obstacles, while providing highly accurate real-time alerts, with minimum false alerts. >>>Details

### CoDriver / JUNGO CONNECTIVITY LTD.

CoDriver is a software and algorithms solution from Jungo, for the purpose of in-cabin computer vision to detect and monitor drivers and passengers for today's cars and for autonomous vehicles >>>Details

* Above information is as of Dec.15 and is quotation from exhibitor directory and the websites of exhibitors.

**Exhibitor & Exhibit Directory**

For more information on exhibitors & exhibits, refer to Online Directory.
>> http://www.automotiveworld.jp/en/eguide/

**Visitor Registration**

If you have not got invitation ticket, register from here
>> http://www.automotiveworld.jp/en/inv/

**Press Registration**

Interested in Covering the Shows? Register Yourself.
>> http://www.automotiveworld.jp/en/shuzai/

**Scenes from the Previous AUTOMOTIVE WORLD (2017)**