

Overview of ESV 2023



Outline of ESV 2023

- **ESV 2023 was successfully concluded.**
- **Approximately 1,400 people from over 20 countries joined ESV 2023.**

4 / 3	4 / 4	4 / 5	4 / 6	4 / 7
<ul style="list-style-type: none"> • Opening Ceremony • Plenary Panel • Special Session • Welcome Reception 	<ul style="list-style-type: none"> • Technical Session • Lunch Session 	<ul style="list-style-type: none"> • Technical Session • Lunch Session • Gala Dinner 	<ul style="list-style-type: none"> • Technical Session • Closing • Technical Tour 	<ul style="list-style-type: none"> • Technical Tour

- Place: Yokohama, Japan
- Venue: Pacifico Yokohama North
- Organizer:
 - ✓ The United States, Department of Transportation, National Highway Traffic Safety Administration (NHTSA)
 - ✓ Japan, Ministry of Land, Infrastructure, Transport and Tourism (MLIT)
 - ✓ Japan, Ministry of Economy, Trade and Industry (METI)
- Date: April 3rd - 6th, 2023
(Technical tour : April 6th afternoon & April 7th)



Pacifico Yokohama North

Opening Ceremony & Plenary Panel (April 3)

■ Opening Ceremony (April 3, 9:30-11:45, G7-G8)



- Opening Remarks
 - ✓ TOYODA Toshiro, State Minister of MLIT
 - ✓ NAKATANI Shinichi, State Minister of Economy, Trade and Industry (METI)
 - ✓ Ann CARLSON, NHTSA's Chief Counsel
- U.S. Government Awards (see page 5)
- Government Status Reports
 - ✓ Canada, Germany, Japan, Korea, Sweden, United States

■ Plenary Panel (April 3, 13:00-14:30, G7-G8, Theme : Aging Society)

○: Moderator Other: Panelists



- Ibrahima Sow (Executive Director, Road Safety and Vehicle Regulations, Transport Canada)
- Masao Notsu (Director-General for Engineering Affairs of Road Transport Bureau of MLIT)
- Takashi Yoshizawa (VP, Alliance Global VP, EE and Systems Engineering Division NISSAN MOTOR Co., Ltd. (Member, JAMA Safety technology and policy committee))
- Pierre-Olivier Milette (Director, Smart Mobility, European Automobile Manufacturers' Association (ACEA))
- Anne Dickerson (Professor in East Carolina University's Department of Occupational Therapy and Director of the Research for the Older Adult Driver Initiative (ROADI))

■ Special Session 1 (April 3, 15:00-16:00, G7-G8, Theme: Vehicle Cybersecurity)



○ Dee WILLIAMS (Deputy Associate Administrator, Office of Vehicle Safety Research, NHTSA)

NIIKUNI Tetsuya (Director, Environment Research Department, National Traffic Safety and Environment Laboratory (NTSEL))

Ir. Andre (A.C.M.) SMULDERS (Strategic Cyber Security Advisor, TNO)

Josh DAVIS (Group Vice President & Chief Cybersecurity Officer (CISO), Toyota Motor North America)

Lori SUMMERS (Director, Vehicle Crash Avoidance & Electronic Controls Research, NHTSA)

■ Special Session 2 (April 3, 16:30-17:30, G7-G8, Theme: Safe Systems Approach)



○ Tim JOHNSON (Director, Vehicle Research and Test Center, NHTSA)

Hyoung Gu, KIM (Team Leader, International Regulation Team, KATRI)

DeReece SMITHER (Research Psychologist, NHTSA)

Cecilia SUNNEVÅNG (Vice President Research, Autoliv)

U.S. Government Awards (April 3)

● Award for Safety Engineering Excellence

- ✓ Yuichi Kitagawa (Toyota, Japan)
- ✓ Atsuhiko Konosu (JARI, Japan)
- ✓ Yukou Takahashi (Honda, Japan)
- ✓ Yoichi Sugimoto (Honda, Japan)
- ✓ Markus Hermle (Mercedes-Benz, Germany)
- ✓ Katarina Bohman (Volvo Cars, Sweden)
- ✓ Thomas Dingus (Virginia Tech Transportation Institute, United States)
- ✓ Rini Sherony (Toyota's Collaborative Research Center, United States)
- ✓ Eric Heitkamp (Honda America, United States)



● Special Award of Appreciation

- ✓ Terunao Kawai (National Traffic Safety and Environment Laboratory, Japan)
- ✓ Koji Mizuno (Nagoya University, Japan)
- ✓ Lothar Wech (Technische Hochschule Ingolstadt, Germany)
- ✓ Cecilia Sunneväng (Autoliv, Sweden)
- ✓ Jane Lappin (Transportation Research Board, United States)
- ✓ Deborah Hersman (NiSource/Velodyne, United States)



Student Safety Technology Design Competition (April 7)

● Participating teams

- ✓ Nihon University
- ✓ Tokyo University of Marine Science and Technology
- ✓ Budapest University of Technology and Economics
- ✓ Oregon State University
- ✓ University of California, San Diego
- ✓ Virginia Tech



Winning team from the Tokyo University of Marine Science and Technology and conference organizers



Second-place team from Oregon State University and conference organizers



Presentations (4/6)

Other Events

■ Ride and learn (April 3-6)

Event of an Experience of the Latest Safety Technologies ("Ride and Learn")



■ Technical Session (April 4-6)

- 14 technical sessions of 4 hours each (with a break)
- Researchers presented state-of-the-art papers on collision safety, collision avoidance, automated driving and AI.



■ Lunch Session (April 4-5)



- Vehicle In-Use Safety for Advanced Safety Systems (SUDA Yoshihiro (University of Tokyo))
- Assured Autonomy in Cyber-Physical Systems (Sandeep Neema (Vanderbilt University))

■ Exhibition Hall : 27 exhibitors (April 3-6)



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|-------------------------|--------------------------------|
| ✓ Additium Technologies | ✓ KYOWA ELECTRONIC INSTRUMENTS |
| ✓ Applied Institution | ✓ Mazda |
| ✓ Applus IDIADA | ✓ MLIT |
| ✓ Autoliv Japan | ✓ Mitsubishi Heavy Industries |
| ✓ ACTS | ✓ Mitsubishi Motors |
| ✓ Cellbond | ✓ NASVA |
| ✓ DAIHATSU. | ✓ NTSEL |
| ✓ NHTSA | ✓ Nissan |
| ✓ Honda | ✓ SUBARU |
| ✓ HORIBA | ✓ Suzuki |
| ✓ ISUZU | ✓ TOYOTA |
| ✓ JARI | ✓ VBOX JAPAN |
| ✓ JASTI | ✓ ZF |

■ Technical Tour (April 6-7)



Closing Ceremony (April 6)

- ESV 2023 was successfully concluded.
- Canada announced that the next ESV conference will be hosted in Canada.

