

# New Product Technology Session

The session called the "New Product Technology Session (NPTS)" has provided a forum for discussion from a technological perspective on the results of products and services as an outlet for technology since 2022, with the expectation that it will encourage further technological evolution and contribute to the promotion of related businesses.

NPTS will introduce a wide range of new products, services, manufacturing devices, development tools including software and other new items from technical perspective.

In the technical field handled by SETC, the various products and services are produced around the world every day, and the latest technologies are used to enhance customer value. This session will focus on the technologies that make them possible, and will show the superiority and novelty of functions, performance advantages, and value proposition related to the products and services. Leading to further technological evolution and value creation are expected through this session.

The proven venue layout in the "Co-location concept," holding this session in the same hall as the exhibition, will present the participants various opportunities to discuss the content of the presentations at the session while looking at the product and its catalog and even expanding human network.

## Venue Concept of the new product Technology Session



The scope covered in this session is as follows.

Technology presentation on

- products sold or shortly planned to be sold in the market.
- services provided or shortly planned to be provided in the market using the products.
- manufacturing devices of the products.
- development equipment of the products (e.g., measuring equipment).
- software for development or manufacturing of the products.

Please refer to the document uploaded at the SETC2024 web site (<https://www.setc-jsae.com/npts.html>) for more information.

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( As of Apr. 9, 2024 )

Organizers: Gaku Naoe (Honda Motor Co., Ltd.), Yuji Araki (Yamaha Motor Co., Ltd.), Michihisa Nakagawa (Kawasaki Motors, Ltd.), Hiroya Ueda (Honda Motor Co., Ltd.)

NPT2024-001	<b>Introduction of a Front-Loading Method in the Development Stage of Outboard Engines</b> Masanori Kobayashi (APL Automotive Japan K.K.)
NPT2024-002	<b>2025 Model ROV RMAX</b> Daisuke Tanaka, Yuichi Ueki (Yamaha Motor Co., Ltd.)
NPT2024-003	<b>TBA</b> Daisuke Matsukawa, Keigo Yoshida, Shohei Urano, Kouki Tsuruda (Honda Motor Co., Ltd.)
NPT2024-004	<b>Application of Model Based Development of Noise Reduction for Outboard Motors</b> Kazuhiro Hara, Toru Takahashi (Yamaha Motor Co., Ltd.)
NPT2024-005	<b>TBA</b> Toshiki Shinohara (Honda Motor Co., Ltd.)
NPT2024-006	<b>TBA</b> Ratchawat Samdaeng (Honda R&D Southeast Asia (Thailand) Co., Ltd.)
NPT2024-007	<b>Optimization of Combustion and Conversion Efficiency in Spark-Ignited Engine Using Taguchi Methods</b> <b>Robust Optimization Technique for Flex Fuel Application</b> Balaji Vaidyanathan, Praveenkumar Arunkumar, Jayajothi Johnson Vedhanayagam, Manickam Murugesan, Palani Shunmugasundaram (TVS Motor Company Limited)
NPT2024-008	<b>Development of Electronically Controlled System for GSX-S1000GX</b> Keitaro Miyagawa (SUZUKI MOTOR CORPORATION)
NPT2024-009	<b>Development of Electrically Assisted Hose Carts for Firefighting</b> Yuki Mukai (Yamaha Motor Engineering Co., Ltd.)
NPT2024-010	<b>Integrated Next Generation Handlebar Module</b> Craig Workman (Brehmer GmbH & Co.)
NPT2024-011	<b>Development of New Power-Unit for Ninja 7 Hybrid as Strong-Hybrid Motorcycle</b> Tetsuji Yamamoto (Kawasaki Motors, Ltd.)
NPT2024-012	<b>Cool System, Lasting Power - an Outstanding E-Powertrain Meets MX Dirt Track</b> Thomas Arnold (IAV GmbH)
NPT2024-013	<b>48V Technology to Lower Emission in Diesel Engine Unburned Fuel (NOx)</b> Harmesh Kumar (Cummins Technical Center India)
NPT2024-014	<b>Advantages of the Features of a Small Gasoline Engine Driven Unmanned Helicopter for Forest DX Service "RINTO"</b> Jun Yajima, Kaoru Kato (Yamaha Motor Co., Ltd.)
NPT2024-015	<b>Improvement of 2.4L Diesel Engine "V2403" That Meets 2023 CARB Emission Regulation of Transport Refrigeration Units</b> Yuichi Tamaki (KUBOTA Corporation)
NPT2024-016	<b>Improvement of Corrosion Resistance of Engine Parts for New Outboard Motor by Anodizing Technology</b> Tomoya Matsubara (SUZUKI MOTOR CORPORATION)

Notes: The New Product Technology Session papers will NOT be published as JSAE/SAE papers and the paper numbers will be used only for paper identification and management.

The session timetable will be available in mid-September, 2024 from the following website.

<http://www.setc-jsae.com/>