

TTRF-TAIHO International Symposium on Automotive Tribology 2017

1. Date: Wednesday, Apr 19, 2017 9:45-17:45 (Reception 18:15-19:45)
2. Venue: Intl. Conf. Room, 3F, Bldg.3, Nagoya Congress Center, Nagoya, Aichi Prefecture
3. Entry fee: Free of charge
4. Reception fee: Free of charge
5. Program:

Theme : Technologies for Friction Reduction in Powertrain

<Opening>		Moderator <u>Dr. Toru Desaki</u>
9:45 – 9:55	Opening Address	<u>Mr. Koichi Sugihara</u> Organizing Committee Chair (TAIHO KOGYO CO., LTD.)
<Honorary Lecture>		Chair <u>Prof. Yuji Enomoto</u> (Shinshu Univ.)
10:00 – 11:00	Honorary Lecture 1 : Tribology in Power-Train Technology	<u>Mr. Tomonori Niizato</u> (Honda R&D Co., Ltd.)
11:00 – 11:15	<Coffee Break>	
11:15 – 12:15	Honorary Lecture 2 : Trends in Automotive Friction Reduction – New Tools for Engine Friction Measurement and Simulation	<u>Dr. Hannes Allmaier</u> (Virtual Vehicle Research Center)
12:15 – 13:15	<Lunch> Cafeteria 「Cascade」	
<Session 1 > Contribution from Lubricant		Chair <u>Prof. Masabumi Masuko</u> (Tokyo Inst. Tech.)
13:15 - 13:55	The Influence of Engine and Driveline Lubricants on Vehicle Fuel Efficiency	<u>Dr. Robert Ian Taylor</u> (Shell Global Solutions UK)
13:55 – 14:35	Frictional Characteristics of Phosphorus-containing Compounds in Combination with MoDTC and Detergents	<u>Prof. Toshiaki Wakabayashi</u> (Kagawa Univ.)
14:35 – 14:55	<Coffee Break>	
<Session 2> Approach of Surface Design		Chair <u>Prof. Shinya Sasaki</u> (Tokyo Univ. Science)
14:55 – 15:35	Hydrodynamic Lubrication Effects of Multiple Circular Bump Pattern for Thrust Sliding Bearings	<u>Mr. Sanemasa Kawabata</u> (DENSO CORPORATION)
15:35 – 16:15	Surface Design for Sliding Interface of Internal Combustion Engines	<u>Prof. Hatsuhiko Usami</u> (Meijo Univ.)
<Session 3> Low Frictional Materials		Chair <u>Dr. Motoichi Murakami</u> (Toyota Motor Corp.)
16:15 – 16:55	Trends on Application and Classification of Diamond-like Carbon Films	<u>Prof. Naoto Ohtake</u> (Tokyo Inst. Tech.)
16:55 – 17:35	The Development of DLC Coatings and Their Applications for the Fuel Efficiency Improvement of Engines	<u>Dr. Yutaka Mabuchi</u> (NISSAN MOTOR CO., LTD.)
17:35 – 17:45	Closing Address	<u>Mr. Takahiro Kusunoki</u> (TAIHO KOGYO CO., LTD.)