



TTRF-TAIHO International Symposium on Automotive Tribology 2018

1. Date: Wednesday, Apr 18, 2018 9:30-17:55 (Reception 18:20-20:00)
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 : Tribology Technologies for the Evolution of Powertrain

<Opening>		Moderator <u>Toru Desaki</u>	
9:30 – 9:45	Opening Address	<u>Koichi Sugihara</u> Organizing Committee Chair (TAIHO KOGYO CO., LTD.)	
<Honorary Lecture>		Chair <u>Kenneth G. Holmberg</u> (VTT Tech. Research C. Finland)	
9:45 – 10:45	Honorary Lecture 1 : Advanced Automotive Power System Technologies beyond 2030 and towards 2050	<u>Yasuhiro Daisho</u> (Waseda University)	
10:45 – 11:05	<Coffee Break>		
11:05 – 12:05	Honorary Lecture 2 : Tribological Aspects of Conrod Bearing Development for the W12 TSI Engine of Volkswagen	<u>Jürgen Strobel</u> (Volkswagen AG, Wolfsburg)	
12:05 – 13:05	Honorary Lecture 3 : Direction of Powertrain Development faced with an era of the Electrified Vehicle	<u>Shizuo Abe</u> (Toyota Motor Corporation)	
13:05 – 14:05	<Lunch> Cafeteria “Cascade”		
<Session 1 > Engine		Chair <u>Hidemi Ogihara</u>	(Fuji WPC Co., Ltd)
14:05 – 14:45	Lecture 1 : Measurement Techniques for Engine Tribology	<u>Akemi Ito</u> (Tokyo City University)	
14:45 – 15:25	Lecture 2 : Improvement of the Measurement Technique for Engine Friction Loss in Firing Conditions	<u>Yasuhiro Ishikawa</u> (ISUZU ADVANCED ENGINEERING CENTER, LTD.)	
15:25 – 16:05	Lecture 3 : Challenges of Engine Bearing Robustness under Perspective of the use of Low Friction Oils for Fuel Efficiency	<u>Martin Offenbecher</u> (Miba Gleitlager Austria GmbH)	
16:05 – 16:25	<Coffee Break>		
<Session 2> Transmission		Chair <u>Kenichi Komiya</u> (JXTG Nippon Oil & Energy Corporation)	
16:25 – 17:05	Lecture 4 : Belt Behavior of Modeled CVT (Continuously Variable Transmission) with Semitransparent Pulleys and Acrylic Resin Elements -Influence of Stiffness of V-belt in Clamping Direction-	<u>Kazuya Okubo</u> (Doshisha University)	
17:05 – 17:45	Lecture 5 : Formulating Fluids for eMobility Transmissions	<u>Christopher S. Cleveland</u> (ATF Research & Development, Afton Chemical Corporation)	
< Closing >		Moderator <u>Toru Desaki</u>	
17:45 – 17:55	Closing Address	<u>Takahiro Kusunoki</u> (TAIHO KOGYO CO., LTD.)	
18:20 – 20:00	<Reception> Skyview Restaurant 7F, Nagoya Congress Center “Pastel”		