



TTRF

TAIHO KOGYO TRIBOLOGY RESEARCH FOUNDATION

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TTRF-TAIHO International Symposium on Automotive Tribology 2022

1. Date : Thursday, Apr 14, 2022 10:00-17:10
2. Format: Online (Zoom)
3. Theme: Future Prospects of Tribological Materials Surviving a Once-in-a-Century Period of Profound Transformation - Part 1 Polymer Materials
4. Program: _

< Opening >		Moderator <u>Toru Desaki</u>
10:00-10:05	Opening Address	<u>Koichi Sugihara</u> Organizing Committee Chair (Taiho Kogyo Co.,Ltd.)
10:05-10:10	Perspective of Future Themes of the Symposium	<u>Yoshitsugu Kimura</u> TTRF Director (The University of Tokyo Kagawa University)
< Honorary Lecture >		Chair <u>Yoshio Fuwa</u>
10:10-11:10	Honorary Lecture 1: How Tribology Contributes To a Zero Emissions Future	<u>Prabiot Nanua</u> (General Motors Company)
11:10-12:10	Honorary Lecture 2: Development of Cellulose NanoFiber(CNF) Composite Materials and Their Applications	<u>Kenji Aoki</u> (Shizuoka University)
12:10-12:20	General Discussion	
12:20-13:30	<Lunch>	12:20-12:40 <Breakout room> 12:40-13:30 <Lunch>
< Session 1 > Elastomer		Chairs <u>Ken Nakano</u> (Yokohama National University) <u>Yoshinori Sawae</u> (Kyushu University)
13:30-14:00	Lecture 1: Contact and Friction of Elastomers - Deformability & Viscoelasticity in Tribology	<u>Ken Nakano</u> (Yokohama National University)
14:00-14:30	Lecture 2: Recent Technologies to Reduce Automobile Tire/Road Interaction Noise and Vibration	<u>Atsushi Kitahara</u> (Bridgestone Corporation)
14:30-14:40	General Discussion	
14:40-15:00	<Coffee Break>	14:40-15:00 <Breakout room>
< Session 2 > Resin		Chairs <u>Yoshinori Sawae</u> (Kyushu University) <u>Ken Nakano</u> (Yokohama National University)
15:00-15:30	Lecture 3: Research Trends in the Tribology of Plastics and an Approach of Wear Property Evaluation in Service Life	<u>Yoshiro Iwai</u> (University of Fukui)
15:30-16:00	Lecture 4: Polyimide Precision Parts & Solutions - How to Enhance Performance for Demanding Wear and Friction Applications	<u>Ruth Jackowiak</u> (DuPont)
16:00-16:30	Lecture 5: Phenolic Resin Composite Material for Applying to Highly Loaded Sliding Parts	<u>Yoshinori Takeichi</u> (Toyohashi University of Technology)
16:30-16:40	General Discussion	
< Closing >		Moderator <u>Toru Desaki</u>
16:40-16:50	Closing Address	<u>Tetsushi Suzuki</u> (Taiho Kogyo Co.,Ltd.)
16:50-17:10	<Breakout room>	