



Taiho Kogyo Tribology Research Foundation

Name: William Woei Fong CHONG

Theme: Reversed-hierarchical Multiscale Analytical Approach to Elucidate Micro-contacts Separated by Liquid Nano-films

Related Presentation/Publication

Journal Publications under preparation:

- A Reversed-hierarchical Multiscale Model for Tribological Conjunction Lubricated with Nanometer-Thick Lubricant Film

Journal Publications under review:

- Nano-frictional Investigation on Boundary Lubricity of Oleic Acid, Methyl Oleate and Trimethylolpropane Trioleate (Under review by Jurnal Tribologi)
- Simulating Thermo-Hydrodynamic Lubrication of Turbocharger Journal Bearing (Under review by Jurnal Tribologi)
- Trimethylolpropane trioleate as eco-friendly lubricant additive (Under review by Engineering Science and Technology, an International Journal)

Presentations (To be presented in year 2021):

- Nano-frictional Investigation on Boundary Lubricity of Oleic Acid, Methyl Oleate and Trimethylolpropane Trioleate at Malaysian International Tribology Conference 2021, Malaysia (5-7 July 2021)
- Simulating Thermo-Hydrodynamic Lubrication of Turbocharger Journal Bearing at Malaysian International Tribology Conference 2021, Malaysia (5-7 July 2021)
- Numerical Study of Frictional Properties of Solid Sliding Surfaces Intermediated with Nanometer-thick Liquid Films at Mechanical Engineering Congress 2021, Japan (5-8 September 2021)