



ITC Fukuoka 2023
9th International Tribology Conference, Fukuoka 2023

25th-30th September 2023
Fukuoka International Congress Center, Fukuoka, Japan

Session information

Symposia

Symposia "Reunite, Invigorate and Create an Inspiring Future" » Advanced Tribology Material

Symposium session Advanced Tribology Material 2

Wed. Sep 27, 2023 1:30 PM - 3:10 PM Room A (Main Hall)

Kazuki Enomoto (Meijo University, Japan)

Tomoaki Iwai (Kanazawa University, Japan)

1:30 PM - 2:10 PM

[27-A-05] Bio-tribology of Epoxy-based Composites for Hip Implant Application

*Sujeet K Sinha (Indian Institute of Technology Delhi, India)

Keywords:Epoxy-based Composites

2:10 PM - 2:30 PM

[27-A-06] Chemical Reaction and Wear of Metal Surface Rubbed against PTFE

*Yoshinori Takeichi (Toyohashi Univ. Tech., Japan)

Keywords:PTFE, fluorination, tribo-chemical reaction, brittle, wear

2:30 PM - 2:50 PM

[27-A-07] Effect of Addition of Filler on the Tribological Properties of CF/PEEK Composites

*Sungha Kim¹, Sugiyama Kenichi¹, Maiko Morino², Yosuke Nishitani³

(1. Ebara Corporation, Japan, 2. Graduate School of Engineering, Kogakuin University, Japan, 3. Kogakuin University, Japan)

Keywords:PEEK, atmospheric sliding, solid lubricant, carbon fiber

2:50 PM - 3:10 PM

[27-A-08] Polyimide for Hydrogen Wear and Sealing Applications

*Ruth Elisa Jackowiak¹, Yuichi Maruyama², Yasuaki Mashimo², Shin-Ichi Nakagawa², Lucas Amspacher³ (1. DuPont, Switzerland, 2. DuPont, Japan, 3. DuPont, USA)

Keywords: Polyimide for high pressure hydrogen sealing, Wear and friction of polyimide in hydrogen, Hydrogen permeation through polymers, Polyimides in cryogenic environment