

green



tribos

1st Green Tribology conference

Associated with Leeds-Lyon symposium 2023

Leeds, Wednesday 6th of September 2023

CONFERENCE PROGRAMME

Wednesday 09:15 – 10:45	SESSION I Chaired by Marko Polajnar, University of Ljubljana Room LG19, Michael Sadler Building
Dry sliding and water lubricated tribological performance of 3D printed PEEK/CF-PEEK <u>Nayan Dhaka</u> , Cayetano Espejo, Ardian Morina and Nazanin Emami <i>Lulea University of Technology, Sweden; University of Leeds, UK</i>	
Wear analysis of DLC coatings against cfrp-ti stacks tested in cross-cylinder configuration <u>Sharjeel Ahmed Khan</u> , João Oliveira, Fabio Ferreira, Nazanin Emami and Amilcar Ramalho <i>University of Coimbra, Portugal; Lulea University of Technology, Sweden</i>	
Effect of Ti3C2Tx Mxene as lubricant additive on friction reduction performance <u>Afrina Khan Piya</u> , Liuquan Yang, Nazanin Emami and Ardian Morina <i>University of Leeds, UK; Lulea University of Technology, Sweden</i>	
Adsorption of organic lubricant additives on high-performance polymers <u>Pedro Martins Ferreira</u> , Bruno Trindade and Mitjan Kalin <i>University of Ljubljana, Slovenia; University of Coimbra, Portugal</i>	
Wednesday 11:15 – 12:45	SESSION II Chaired by Nazanin Emami, Lulea University of Technology Room LG19, Michael Sadler Building
Investigating synergism potential of graphite and boron nitride fillers for enhanced tribo-performance under aqueous condition. <u>Prashant Gangwani</u> , Nazanin Emami and Mitjan Kalin <i>Lulea University of Technology, Sweden; University of Ljubljana, Slovenia</i>	
Mechanical and tribological characterisation of PI-based composites at room and cryogenic temperatures <u>Maksim Nikonovich</u> , Amilcar Ramalho and Nazanin Emami <i>University of Coimbra, Portugal; Lulea University of Technology, Sweden</i>	
Life cycle analysis of pure DLC coatings deposited by PVD and PECVD techniques for green tribology <u>Larissa Mitie Ihara</u> , Albano Cavaleiro, Ardian Morina and Liuquan Yang <i>University of Leeds, UK; University of Coimbra, Portugal</i>	
Excellent tribological performance of blue luminescent citric acid derived graphene quantum dots as an additive in aqueous lubricant <u>Irfan Nadeem</u> , Albano Cavaleiro and Mitjan Kalin <i>University of Ljubljana, Slovenia; University of Coimbra, Portugal</i>	

<p><u>Wednesday 14:00 – 15:30</u></p>	<p>SESSION III Chaired by Bruno Trindade, University of Coimbra Room LG19, Michael Sadler Building</p>
<p>POM/regenerated cellulose fiber composites as sustainable engineering materials <u>Lucas Kneissl</u>, Mitjan Kalin and Nazanin Emami <i>Lulea University of Technology, Sweden; University of Ljubljana, Slovenia</i></p>	
<p>Development of layered ti-dlc/dlc coatings with improved properties and evaluation of their tribological properties in green lubricating oils <u>Mobeen Haneef</u>, Manuel Evaristo, Liuquan Yang, Ardian Morina and Bruno Trindade <i>University of Coimbra, Portugal; University of Leeds, UK</i></p>	
<p>Development and properties of aC:H:Si:O coatings <u>Abqaat Naseer</u>, Manuel Evaristo, Mitjan Kalin and Albano Cavaleiro <i>University of Coimbra Portugal, University of Ljubljana, Slovenia</i></p>	
<p>Advanced tribological performance of fatty acid, acid/amine additive mixture and ionic liquid <u>Ju Shu</u>, Cayetano Espejo, Mitjan Kalin and Ardian Morina <i>University of Leeds, UK; University of Ljubljana, Slovenia</i></p>	
<p><u>Wednesday 16:30 – 17:30</u></p>	<p>SESSION IV Chaired by Tomaž Požar, University of Ljubljana Room LG19, Michael Sadler Building</p>
<p><u>Keynote lecture (16:30-17:00):</u> Losses in the Electrical Powertrain - from wind turbine to electric vehicle <u>Professor Rob Dwyer-Joyce</u> <i>University of Sheffield, UK</i></p>	
<p><u>Panel Discussion (17:00-17:30):</u> <u>Professor Rob Dwyer-Joyce & GreenTRIBOS consortium</u></p>	