



Name: Prof. Ichiro Minami

Theme: Repairable hybrid lubrication model for Martian machineries

Related Presentation/Publication

<Peer-reviewed publications>

·Erik Nyberg, Jonny Hansen, Ichiro Minami: "Lubrication Concept Evaluated for Geared Actuators under Starved Conditions," Proceedings of the 45th Aerospace Mechanisms Symposium, NASA Johnson Space Center, (Compiled/Edited by Edward A. Boesiger) 255-260 (2020). <https://ntrs.nasa.gov/search?q=CP-20205009766>

·Erik Nyberg, Christoph Schneidhofer, Lucia Pisarova, Nicole Dörr, Ichiro Minami: "Ionic liquids as performance ingredients in space lubricants," Molecules 2021, 26, 1013. <https://www.mdpi.com/1420-3049/26/4/1013>

·Erik Nyberg¹, Dídac Llopart i Cervelló, Ichiro Minami: "Tribology in Space Robotic Actuators: Experimental Method for Evaluation and Analysis of Gearboxes," Aerospace 2021, 8, 75. <https://www.mdpi.com/2226-4310/8/3/75>

<Oral presentations>

·Erik Nyberg, Lucia Pisarova, Nicole Dörr, Francesco Pagano, Amaya Igartua, Ichiro Minami: "Silicate-Forming Triboimprovers for Multiply Alkylated Cyclopentane Base Fluids" 22nd International Colloquium Tribology, Esslingen, Germany, 30 January 2020

· Erik Nyberg, Didac Llopart, Christian Tomastik, Nicole Dörr, Ichiro Minami: "Hydrocarbon-mimicking ionic liquids as additive for multiply-alkylated cyclopentane". ECCOTRIB2019 7th European Conference on Tribology, Vienna, Austria, 12 June 2019.

·Erik Nyberg, Ichiro Minami: "Evaluating lubrication concepts for space applications - lessons learned", Tribology days 2020 (on web), 10 November 2020.

·Erik Nyberg, Ichiro Minami: "Evaluating Lubrication Concepts for Space Applications" LUBMAT2020 (on web), 15 December 2020.