



**Name:** Prof. Ichiro Minami

**Theme:** Molecular design of ionic liquids for advanced lubricating fluids

**Related Presentation/Publication**

Publications:

[1] Erik Nyberg, Catur Y. Respatiningsih, Ichiro Minami: "Molecular design of advanced lubricant base fluid: Hydrocarbon-mimicking ionic liquids," RSC Advances, 7(11), 6364–6373 (2017). [doi: 10.1039/c6ra27065d](https://doi.org/10.1039/c6ra27065d).

[2] Erik Nyberg, Johanne Mouzon, Mattias Grahn, Ichiro Minami: "Formation of boundary film from ionic liquids enhanced by additives," Applied Sciences, 7(7), 433\_1-14, (2017). [doi:10.3390/app7050433](https://doi.org/10.3390/app7050433).

Oral presentations:

[1] Erik Nyberg, Nicole Dörr, Amaya Igartua, Ichiro Minami: "Additive technology for halogen-free room temperature ionic liquids," STLE 71st Annual Meeting & Exhibition, 15-19 May 2016, Las Vegas, USA.

[2] Erik Nyberg, Nicole Dörr, Amaya Igartua, Ichiro Minami: "Improvement in the tribological performance of room temperature ionic liquids by additive technology," NordTrib 2016, 14-17 June 2016, Hämeenlinna, Finland.

[3] Erik Nyberg, Johanne Mouzon, Mattias Grahn, Ichiro Minami: "Performance Additives to Improve Tribological Properties of Ionic Liquid as Base Fluids," STLE 72nd Annual Meeting & Exhibition, 21-25 May 2017, Atlanta, USA.

[4] Erik Nyberg, Ichiro Minami: "Boundary Film Formation from Hydrocarbon-Mimicking Ionic Liquids," Austrian Tribology Society Symposium 2017, 22 November 2017.

[5] Erik Nyberg, Johanne Mouzon, Mattias Grahn, Ichiro Minami: "Feasibility of ionic liquids lubricant for Mars Mechanics," International Colloquium Tribology, 9-11 January 2018, Esslingen, Germany.

[6] Erik Nyberg, Ichiro Minami, "Influence of Atmosphere on Boundary Film Formation From Ionic Liquids," STLE 73rd Annual Meeting & Exhibition, 20-24 May 2018, Mineapolis, USA.