



## 2017 ELGI AGM Best Paper Award

29<sup>th</sup> ELGI AGM 6<sup>th</sup>-9<sup>th</sup> May 2017 Helsinki Finland

ELGI's best paper committee unanimously selected the paper & presentation: *Polypropylene – a Novel Thickener Technology with many Surprises*, as the winner of ELGI's Best Paper Award 2017.



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Johan has an MS and PhD in chemical engineering from Chalmers University of Technology in Gothenburg, Sweden. He worked for six years as a researcher first at the Pasteur Institute in Paris and then at Chalmers University of Technology. In 2009 he joined Axel Christiernsson International as Senior Development engineer and is currently holding the position as Group Technical Manager.

The topic and paper are great contributions to 2017 AGM's theme "Innovation" and embodies the spirit of originality and technological innovations that the ELGI is known for.

In recent conference presentations the Axel team have shown that the lubricating mechanism of polypropylene thickened greases in rolling element bearings differ significantly from that of soap based greases. These differences give rise to lower self-induced running temperatures, seven times longer grease life and a very effective replenishment mechanism.

In this paper they dive deeper into the mechanistic differences that they have already presented. Furthermore, they expand the study into showing differences in additive response, low temperature lubricity and behaviour when subjected to high temperature and oxidation promoting conditions

On behalf of this committee and the ELGI board we would like congratulate Johan Leckner on this important and worthy achievement.

Best Paper Award Committee

ELGI Board of Directors