

# Tribology Days 2025

## - Efficiency First! -

Tuesday 11th of November:

- 10:00** Registration Opens
- 11:00** **LUNCH**
- 12:00** Mingle
- 12.30** Introduction to SSAB Oxelösund
- 13:00** Technical presentation from SSAB
- 13:30** *“Effect of Surface Defects and Oxide Layers from Different Stages during Hot Rolling on the Bendability of Martensitic Wear-resistant Steel”* - **John Joy, Luleå University of Technology**
- 14:00** *“Glycerol-based fossil-free green lubricants for a truly fossil-free and green steel industry“* - **Yijun Shi, Luleå University of Technology**
- 14:30** **Coffee Break**
- 15:00** *“Tool wear in tillage”,* - **Urban Wiklund, Uppsala University**
- 15:30** *“Lubrication on Demand & New Interactive Functionalities of Plastic Elements by Microcapsules“* - **Maximilian Steuer, BECHEM**
- 16:00** *“CorroNite™ - The Novel Thermal Processing and Coating Solution for Hard Chrome Replacement.”* - **Martin Hansén, Tribonex and Fatima Nowshir, Volvo Construction Equipment**
- 16:30** *“The Effects of the Lubricant Properties and Surface Finish Characteristics on the Tribology of High-Speed Gears for EV Transmissions.”* - **Boris Zhmud, Tribonex**
- 17:00** *“Towards Sustainable Hard Coatings by Thermal Spraying: An Efficient Solution to Protect Surfaces“* - **Vasanth Gopal, University West**
- 19:00** Mingle at Sunlight Hotel, Nyköping
- 20:00** Conference Dinner, Sunlight Hotel, Nyköping

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Wednesday 12th of November:

- 08:30**      *"Efficiency First! - A movement for reduced energy and materials losses"* – **Roland Larsson, Luleå University of Technology**
- 09:00**      *"The Power of Lubricants in Energy Efficiency"* - **Lucas Hildebrand, Klüber Lubrication**
- 09:30**      *"Which are the most important challenges for tribology today?"* - **Speed-workshop**
- 10:00**      **Coffee Break and Poster Presentations**
- 10:30**      *"Auger electron spectroscopy, a tool for tribological analyses"* - **Robin Elo, Uppsala University**
- 11:00**      *"Neuromorphic Technology in Machine Condition Monitoring."* - **Daniel Strömbergsson, Luleå University of Technology**
- 11:30**      Message from STRIBO and other tribology information +  
Final remarks
- 12:00**      **LUNCH**
- 13:00**      Study Visit SSAB Oxelösund
- 15:30**      End of Tribodays 2025