

# Program (2024-08-17)

Start		Wednesday, Sep. 18		Thursday, Sep. 19		Friday, Sep 20.		Start
08:30		Welcome and workshop outline		Introduction day 2		Introduction day 3		08:30
08:45		Keynote: Matthias Asplund (Trafikverket)		Carsten Jörn Rasmussen (COWI) - Data-Driven Rail Maintenance Strategy		Sean Regehr (Global Rail) - Understanding the Utility of Profile Quality Index Calculations Used in Grinding Utilizing GRNA/ARM's PDI and AREMA's GQI		08:45
09:15		Q+A 1		Q+A 8		Q+A 15		09:15
09:30		Felix Platzer (VIF) - Wheel Polygonization and Rail Rutting Corrugation: Challenges in Narrow Gauge Railways		Kate Tomlinson (Sheffield) - Collection and characterisation of rail and wheel wear particles produced by rolling-sliding contact		Lukas Prettnner (voestalpine), Ronald Durstmüller (Wiener Linien) - Reducing wear in the wheel-rail interface of an Underground Line based on Multi-Body-Simulation		09:30
10:00		Q+A 2		Q+A 9		Q+A 16		10:00
10:15		Coffee Break		Coffee Break		Coffee Break		10:15
10:45		Ash Athukoralalage (Speno Australia) - Comparison of white etching layer induced by rail grinding vs rail traffic		Albert S. Bisgaard (DTU - Technical University of Denmark - and COWI), Steven S. Harrod (DTU) - Probabilistic Modeling of Defect Propagation		Summary of Day 3		10:45
11:15		Q+A 3		Q+A 10		Workshop summary and Outlook		11:00
11:30		Samuel Hawksbee (Huddersfield) - Thermal initiation of squats under vehicle braking		Daniele Regazzi (Lucchini RS) - SIWE Project – Structural Integrity of Wheels		Workshop End		12:00
12:00		Q+A 4		Q+A 11				
12:15		Lunch Break		Lunch Break				
13:30		Will Skipper (Sheffield) - Assessing the Effect of a Novel Conductive Adhesion Material on Track Circuit Operation		Dino Velic (voestalpine) - Maximizing Uptime, Performance, and Safety: A Data-Driven Approach to Enhancing Track Availability				
14:00		Q+A 5		Q+A 12				
14:15		Ben White (Sheffield) - A new portable railhead tribometer		W. Thomas (Loram) - Updates to the VTI Economics Initiative, and case study on digital twins / rail degradation modeling				
14:45		Q+A 6		Q+A 13				
15:00		Coffee Break		Coffee Break				
15:30		Marco Santoro (LB Foster) - Development and Validation of a Water-based Friction Modifier Train Borne Dispensing System for Passenger Transit		Jonathan Leung (KTH, NRC) - Magic Wear Rate: Past, Present and Future				
16:00		Q+A 7		Q+A 14				
16:15		Summary of day 1		Summary of day 2				
16:30		End of day 1		End of day 2				

Evening Event

Informal Social Gathering