

Draft program for the project afternoon of SEDDIT, May 22, 2025

13.00 – 13.05: Introduction. Svante Gunnarsson

13.05 – 13.30: Carl Steen, *Thermotronic digital twins supporting the digital transformation of sustainable transport.*

13.30 – 13.55: Eric Sevonius, *Collaborative Localization in GNSS Denied Environments*

13.55 – 14.20: Nils Dressler, *Optimal Control of Tightening Processes*

14.20 – 14.45: Filip Lindström, *Human senses mimicking: Mechanical integrity self-assessment.*

14.45 – 15.10: Viktor Uvesten, *Autonomous farming – agricultural sensing and control*

15.10 – 15.35: Xiaojing He, *Optimizing vehicle data transmission for accurate regional temperature mapping.*

15.35 – 16.00: Amir Hosseini, *Human senses mimicking: Self-evaluating vehicles with focus on vibro-acoustics.*