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🎓 Summer School Agenda

AI, Battery & Sustainability
Organised by Taltech
Date: June 9–11, 2025

🎗 Day 1: Monday, June 9

Time	Speaker / Activity	Topic / Description
09:00–11:00	Henrik Andersen	*Battery Modelling & Second Life in Maritime Applications*
11:00–11:15	☕ Coffee Break	—
11:15–13:15	Henrik Andersen (cont.)	*Continuation of session*
13:15–14:15	🍽 Lunch	—
14:15–16:15	Slimane Arbaoui	*Deep Learning for State of Health (SoH) & State of Charge (SoC) Estimation*

🎗 Day 2: Tuesday, June 10

Time	Speaker / Activity	Topic / Description
08:30–10:30	Yannick Le Moullec	*Sustainable and Circular Electronics Overview*
10:30–10:45	☕ Coffee Break	—
10:45–12:45	Olev Märtens	*AI & Impedance Spectroscopy: From Healthcare to Battery Health*

12:45–13:45	🍽 Lunch	—
13:45–15:45	Marcella ASTRID	*Anomaly Detection in Computer Vision and Thermal Imaging for Battery Monitoring*
	🧭 Social Event	
18:00	 *Guided Tour*	*Seaplane Harbour*
19:00	🍽 Dinner	*Café Maru, Seaplane Harbour*

🎗 Day 3: Wednesday, June 11

Time	Speaker / Activity	Topic / Description
09:00–11:00	Bassem Sellami	*Blockchain & SDN-Enhanced Battery Data Management for EVs*
11:00–11:10	☕ Coffee Break	—
11:10–13:10	Chahinez Ounoughi	*GAN-Powered Synthetic Data for Battery Research*
13:10–13:50	🍽 Lunch	—
13:50–15:50	Siddhant Dutta	*PINNs for EV Charging Curve Aggregation & Parameter Estimation*
15:50–16:00	☕ Coffee Break	—
16:00–18:00	Bambang Priyono *(Online)*	*Life Cycle Engineering of EV Batteries*