

BASE Workshop: Smart Batteries and Smart Functionalities

Welcome to the BASE workshop on Smart Batteries and Smart Functionalities! This online workshop will be held on Zoom on June 19th at 11:00 to 14:00.

Time	
11:00 – 11:10	Welcome address <i>Erik Berg, Uppsala University</i>
11:10 – 12:10	<p>Session 1: Sensors for batteries <i>Chair: Erik Berg, Uppsala University</i></p> <p>11:10 – <i>Printed electrochemical sensor for detection of soluble degradation products</i> Robert Dominko, Research Professor at the National Institute of Chemistry and Professor at the University of Ljubljana</p> <p>11:40 – <i>Nano-Plasmonic Battery Sensoring & Monitoring</i> Patrik Johansson, Professor in Physics at Chalmers University of Technology</p> <p>11:55 – <i>Thermomechanical heterogeneous aging of batteries</i> Maciej Wysocki, RISE Research Institutes of Sweden</p>
12:10 – 13:10	Lunch break
13:10 – 14:00	<p>Session 2: Self-healing batteries <i>Chair: Stacy Trey, RISE Research Institutes of Sweden</i></p> <p>13:10 – Welcome address session 2, Chair</p> <p>13:20 – Self-healing functionalities for binders and solid electrolytes Guiomar Hernández, Assistant Professor at Ångström Advanced Battery Centre at Uppsala University</p> <p>13:40 – Autonomous Polymer based Self-Healing Components for high performant Lithium Ion Batteries Maitane Berecibar, Full Professor at Vrije Universiteit Brussel & Head of the Battery Innovation Center</p>