Wednesday March 4th 2026 — AluSym2026

11:30 – 12:30	Registration – seminar room 1
12:30	**Welcome**
Session 1	**Introduction & Anode**
12:50	*Keynote* **Kostiantyn Kravchyk** Toward practical Aluminum dual-ion batteries: from early concepts to realistic performance limits and design rules
13:20	*Invited* **Magda Titirici** Understanding the solid electrolyte interphase in Al-graphite dual ion batteries
13:40	*Invited* **Guiseppe Elia** Addressing key challenges in the development of „beyond Li-ion" chemistries
14:00	**Andrea Balducci** Anodic dissolution of Al current collector in energy storage devices: challenges and opportunities
14:10	**Gøril Jahrsengene** Aluminium deposition and dissolution in $AlCl_3$:[EMIm]Cl electrolyte using a symmetrical Al-Al cell
14:20	**Ghadir Razaz** Influence of minor alloying additions in Aluminum anodes on the electrochemical performance of aluminum battery in non-aqueous electrolytes
14:30	**Ali Ahmadian** Influence of electrode microstructure on electrochemical plating and stripping in Al-ion batteries
14:40	*Coffee Break*
Session 2	**Electrolyte**
15:20	*Invited* **Gero Frisch** Aluminium speciation in aluminium ion battery electrolytes: what we know and what we still need to discover
15:40	*Invited* **Samuel Lorenz** Challenges on the way to large-scale electrolyte production.
16:00	*Invited* **Ann Marie Svensson** On the search for new current collectors and electrolytes for Aluminium carbon batteries
16:20	**Alexander Kibler** Electrolyte discovery for reversible Al^{3+}|Al^0 electrochemistry
16:30	**Øystein Gullbrekken** Electrode-electrolyte interfaces of chloroaluminate ionic liquids with and without solvents by constant potential method molecular simulations
16:40	**Roghayeh Alizadeh** Validation of a physics-based ion transport model for ionic liquid electrolytes in Aluminum-ion batteries
16:50	**Joy Kieser** Undesirable voltage-dependent parasitic side reactions leading to high self-discharge in Aluminum-graphite dual-ion batteries
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Session 3	Cathode
9:00	*Keynote* **Patrik Johansson** A decade of Al metal organic batteries - and what now?
9:30	*Invited* **Noha Sabi** Stability of binders in contact with ionic liquid electrolytes for application in aluminum batteries: a comparative study
9:50	*Invited* **Minghao Yu** A random walk with Al chemistries: from cathodes beyond graphite to aqueous systems
10:10	**Ngoc Tram Nguyen** First operando XRD reveals the correlation between electrode Structure and cathode intercalation in Aluminum-graphite dual-ion batteries
10:20	**Svetlana Klyatskaya** Porphyrinoid-based organic cathodes enabling high-rate aluminium storage
10:30	**Eva Bräutigam** Rechargeable aluminum batteries using redox-active organic polymers as positive electrode materials
10:40	**Eliana Fuentes** Operando and in situ insights into Cobalt selenide cathodes for rechargeable aluminum batteries: conversion mechanism, degradation pathways and electrolyte
10:50	**Rafael Córdoba Rojano** Vanadium telluride VTe_2: a novel cathode for rechargeable aluminum batteries and its performance optimization
11:00	**Ulfat Iqbal** Next generation aluminium based batteries, integrating new materials and technologies for superior performance
11:10	*Coffee Break*
Session 3	**Upscaling & Conversion**
11:40	*Invited* **Peter Marcinkowski** Development of larger format AGDIB multilayer pouch cells
12:00	*Invited* **Jean Drillet** Challenges and progresses regarding the development of a waterfree Al-graphite cylindrical cell
12:20	**Fiona Simpson** From slurry to cell: optimized Aluminum-ion battery coin cell assembly for reliable electrochemical performance testing
12:30	**Zahra Karimi** Evaluation of corrosion resistance of aluminum alloys as casing material for a cylindrical Aluminum-graphite battery
12:40	**Max Bamberg** Development and scale-up of Aluminum-graphite dual-ion battery pouch cells to module level
12:50	**Rudolf Baumgart** Cell design for Al-N_2 batteries using $Al(OTf)_3$ in EmimOTf electrolytes
13:00 – 13:30	**Closing & Awards**