

ONLINE JOINT WORKSHOP:

Digital approach in battery development



AGENDA

Tuesday 8th June 2021
13:30 – 16:15 (CET)

| TIME | TITLE |
|---------------|---|
| 13:30 – 13:40 | Welcome and Short Introduction O. Miguel, CIDETEC Energy Storage |
| 13:40 – 13:50 | Overview of EU battery research activities L. Feola, EU Project Officer |
| | Short Talks Session of LC-BAT projects (9 min each): |
| 13:50 – 15:00 | <i>Accelerating battery developments by means of multiphysic models</i> , E. Ayerbe, CIDETEC / DEFACTO coordinator <i>Two-fold approach on cell monitoring: physic-based model & sensorization</i> , L. Trilla, IREC / COBRA coordinator <i>Digitalization along the battery value chain in the 3BeLiVE project</i> , B. Ganev, AIT / 3BeLiVE coordinator <i>Model-based battery design optimization</i> , S. Clark, SINTEF / HYDRA coordinator <i>Digital approaches to battery development in the SeNSE project</i> , R. Kühnel, Empa / SeNSE project leader <i>New simulation toolchain for battery design</i> , M. Petit, IFPEN / MODALIS ² coordinator <i>Building a more competitive Li-Ion battery manufacturing network</i> , D. Wolff, TU BS / LIPLANET coordinator |
| 15:00 – 15:05 | Active Break |
| 15:05 – 15:20 | Battery2030+ initiative Prof. K. Edström, Uppsala University, BATTERY 2030+ coordinator |
| 15:20 – 15:25 | How to accelerate and make cell design more reliable while obtaining the highest energy density, cyclability, time2market and target cost thanks to digital solutions. [VIDEO] |
| 15:25 – 16:00 | Break out rooms on specific topics with live Q&A session: <i>Artificial Intelligence for Data Analysis</i> , Moderator: Prof. A. A. Franco, Université de Picardie Jules Verne <i>Digitalization in battery manufacturing</i> , Moderator: Prof. A. Kwade, TU BS <i>Digitalization in battery design</i> , Moderator: Prof. Dr. A. Latz, DLR <i>Digitalization in battery control</i> , Moderator: Prof. D.A. Howey, University of Oxford |
| 16:00 – 16:10 | Wrap up and Conclusions Moderators of Breakout rooms |
| 16:10 – 16:15 | Closure I. Urdampilleta, CIDETEC Energy Storage |

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