



Funded by
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DigiCell

Battery Material Characterisation and Digital Twins for Cell to Pack Performance in Agile
Manufacturing Pilot Lines and Automotive Field

Public Workshop

Battery cell testing, modelling and materials characterisation

Free online workshop

25 February 2025

15:00 – 17:00 CET (UTC +1)

Login data will be sent to registered participants

Organizers:

Johannes Kepler University Linz
Keysight Technologies Austria

The European project DigiCell aims to improve battery production by leveraging advanced testing, modelling and machine learning techniques. We are excited to announce the second public workshop in a series of events scheduled throughout the DigiCell project duration. The second workshop will focus on battery cell modeling and materials characterisation methods.

The event will feature the following key presentations:

- Invited opening lecture from Prof. Wolfgang Schoefberger, Johannes Kepler University (JKU) Linz on 'CO₂ capture technologies and Zn-air batteries'
- An overview of the DigiCell EU project by the coordinators
- Technical talks:
 - Battery module characterisation and test ontology (Keysight)
 - Battery cell characterization and nanoscale materials characterisation (JKU)
 - Decomposition products from battery electrolytes (Austrian Institute of Technology)

If you are interested to attend, please register for the workshop on the [DigiCell website](#).

Agenda Tuesday, 25 February 2025 15:00 – 17:00 CET		
Time	Titel	Speaker
15:00 – 15:10	Welcome	DigiCell coordinators
15:10 – 15:40	Invited opening talk: Overview of CO ₂ capture technologies and Zn-air batteries	Prof. Wolfgang Schoefberger, JKU
15:40 – 15:50	DigiCell project overview	Ferry Kienberger, Keysight
15:50 – 16:10	Battery module characterisation and test ontology	Nawfal Al-Zubaidi R Smith, Keysight
16:10 – 16:30	Battery cell modeling and nanoscale materials characterisation	Prof. Georg Gramse (JKU)
16:30 – 16:50	Investigation of Decomposition Products from Battery Electrolytes with Operando GCMS	Juergen Kahr (AIT)
16:50 – 17:00	Closure of the workshop	All

The workshop is free of charge.

If you are interested, **please register on the [DigiCell website](#)**.
Login data (Zoom Meeting) will be sent to registered participants.

