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Newsletter Issue 4

Welcome...

... to the 4th issue of the DigiCell newsletter and a **happy new year** to all of you. 2025 was full of a variety of exciting events, with the interview series featuring our youngest talents being a highlight. In addition to a recap of workshops and events, find the latest of 10 journal articles published in 2025 below. There is only one more year to go. Stay around for latest news and, for now, **enjoy the read!**

Interview series: Faces of the future



The new video interview series featuring the **young researchers** of DigiCell introduces the bright young minds behind the project. The series shines a light on the next generation of researchers.

[Video interviews](#)

3rd DigiCell public workshop

3rd Public Virtual Workshop Speakers

Battery testing in pilot lines and field applications: from cells to packs



Irshad Mohammad
Austrian Institute of Technology



Francisco Fernandez
Université de Picardie Jules Verne



Manuel Kasper
Keysight Technologies



Johannes Angerer
KREISEL Electric

Register now!

www.digicell-project.eu/third-digicell-workshop

Funded by
the European Union

On 18 November 2025, DigiCell reached out to its stakeholders by inviting them to join the project's 3rd public workshop on **"Battery testing in pilot lines and field applications: from cells to pack"**.

[Recap 3rd DigiCell workshop](#)

DigiCell supports Semantics Materials Workshop



Semantic Materials Workshop 2025

Knowledge Organisation Challenges and Solutions for Chemicals
and Materials-Based Industries

Monday 10 November 2025
Homerton College, Cambridge, UK

This event is kindly supported by the EMMC and DigiCell Project



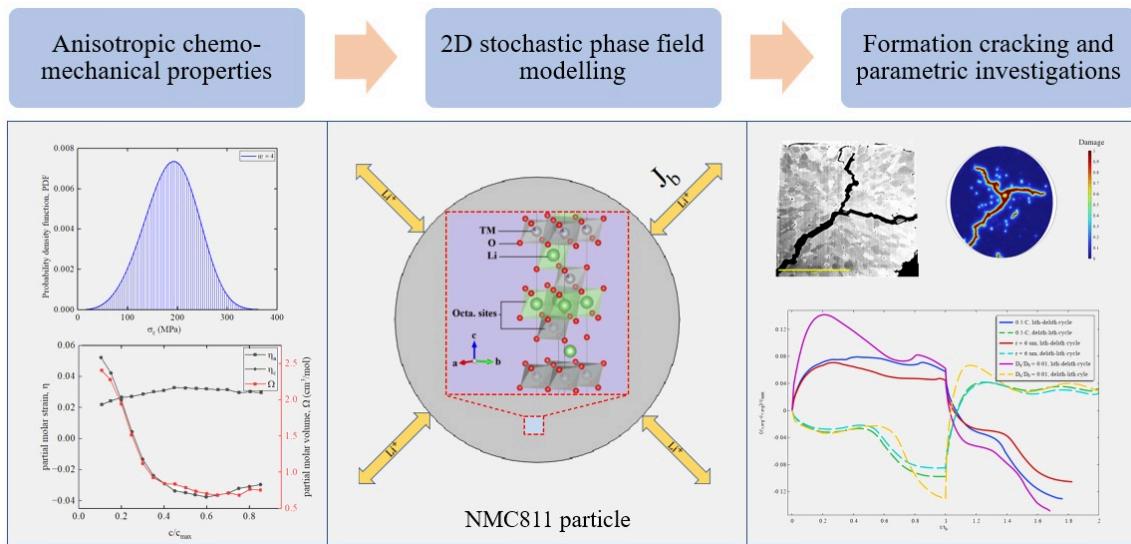
DigiCell

On 10 November 2025, the Semantic Materials Workshop 2025 took place in Cambridge, UK under the topic of **"Knowledge Organisation Challenges and Solutions for Chemicals and Materials-Based Industries"**. It was organised by **Goldbeck Consulting** together with the **European Materials Modelling Council (EMMC)** and was supported by **DigiCell**.

DigiCell publications

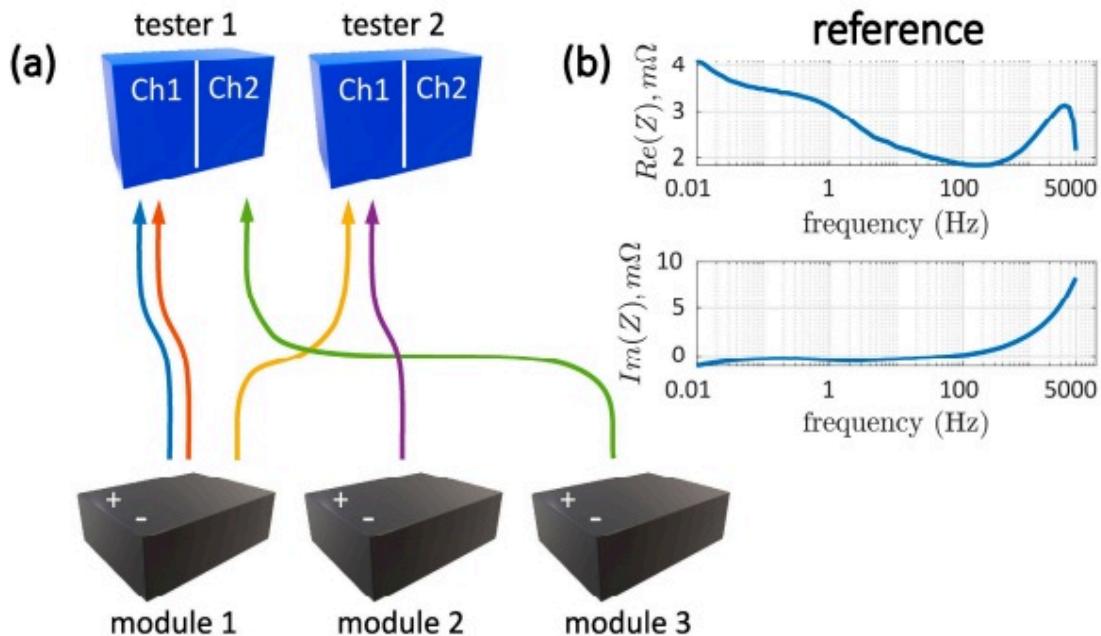
In the 2nd half of 2025, DigiCell partners continued to publish in renowned scientific journals.

Understanding fracture mechanisms in NMC811 particles via stochastic anisotropic phase-field modelling
in: Journal of Power Sources



[Read the publication](#)

Electrochemical Impedance Spectroscopy Accuracy and Repeatability Analysis of 10 kWh Automotive Battery Module
in: Batteries



[Read the publication](#)

Exploring processability limitations of commercial hard carbon for negative electrodes of Na-ion batteries

in: Journal of Power Sources

[Read the publication](#)

A microstructure-resolved model of sodium-ion battery hard carbon electrodes

in: Journal of Power Sources

[Read the publication](#)

Digital correlation analysis and optimization of microporous layer through a machine learning workflow for PEMFC applications

in: Journal of Power Sources

[Read the publication](#)

**Surrogate Modeling of Lithium-Ion Battery Electrode Manufacturing
by Combining Physics-Based Simulation and Deep Learning**
in: Batteries & Supercaps

[Read the publication](#)

DigiCell at ECS Meeting



With three contributions from three of its partners, DigiCell participated in the **248th meeting of the Electrochemical Society (ECS)** that took place on 12-16 October 2025 in Chicago, IL, US.

[More about the ECS Meeting](#)

DigiCell at EMRS 2025



On 15-18 September 2025, the **European Materials Research Society's Fall Meeting (E-MRS 2025)** took place in Warsaw, Poland.

DigiCell participated with two presentations and one invited talk.

[More about EMRS 2025](#)

Event announcements



249th ESC Meeting

24 - 28 May 2026, Seattle, WA, US

[More information](#)

We hope that you enjoyed this issue of our newsletter and we look forward to further sharing our exciting journey with you.



Eurice - European Research and Project Office GmbH

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