

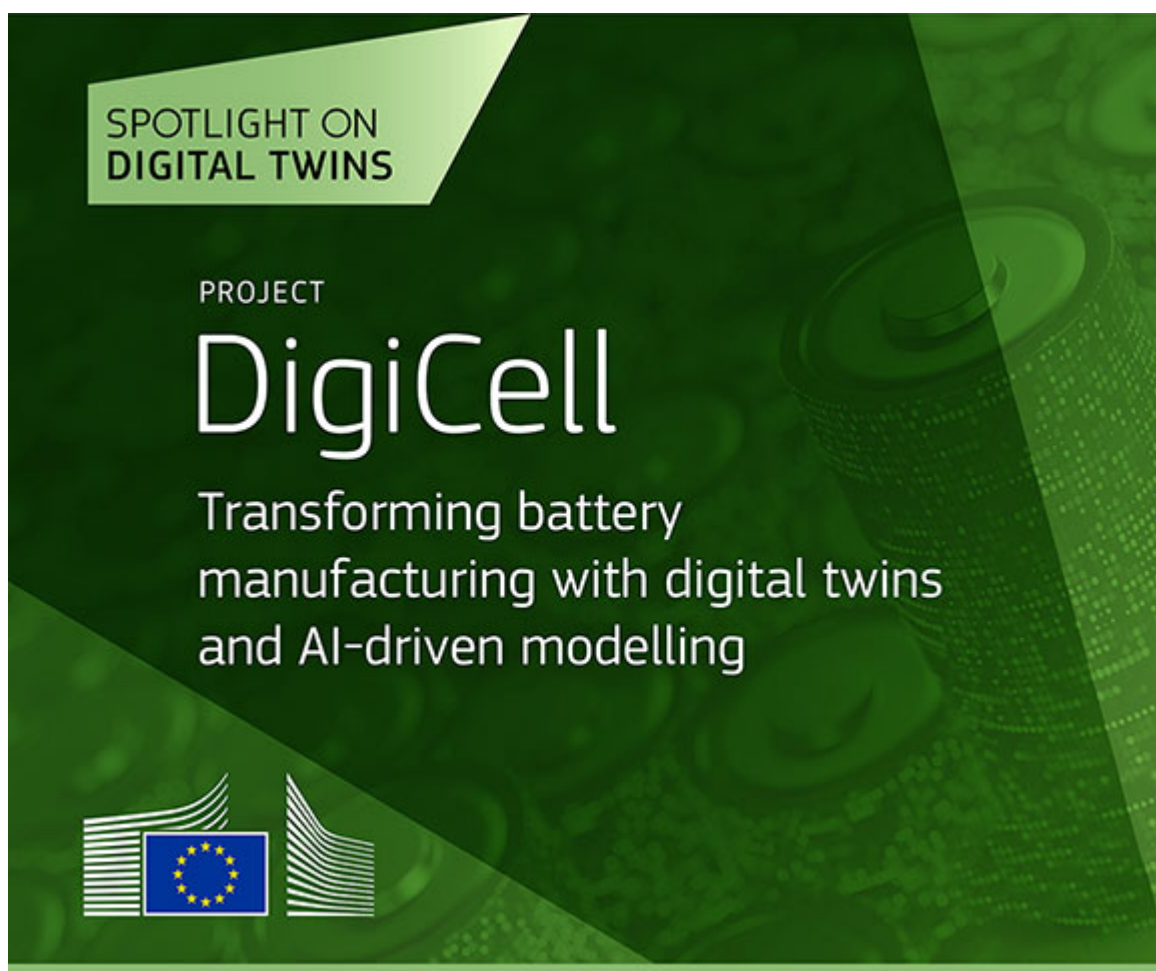


Newsletter Issue 5

Welcome...

... to the 5th issue of the DigiCell newsletter. We hope that you have had a nice summer so far. If you are still looking for some interesting holidays read, this newsletter finds you at the right time. Learn how DigiCell contributes to Europe's green and digital transition, dive deep into science with our latest publications and catch up on our recent events and project highlights. Enjoy the read!

HaDEA spotlights DigiCell among Digital Twin Projects



DigiCell has been featured by the European Health and Digital Executive Agency (HaDEA) in a recent spotlight article highlighting EU-funded projects that are advancing **Europe's green and digital transition** using virtual replicas.

[Read the summary](#)[Read the full article](#)

DigiCell M30 Meeting



On 16 – 17 June 2026, the DigiCell partners gathered at Politecnico di Torino for the M30 Progress Meeting to review achievements and plan the final phase of the project.

[Recap M30 Meeting](#)

4th DigiCell public workshop

Free Online Workshop

From Data-Driven to Physics-Informed Modelling for Batteries



On 1 July 2026, DigiCell reached out to its stakeholders by inviting them to join the project's 4th public workshop “**From Data-Driven to Physics-Informed Modelling for Batteries – A View from the EU Project DigiCell**”.

Recap 4th DigiCell workshop

DigiCell publications



Fully coupled mechano-electrochemical modeling of 3D-resolved microstructures for solid state batteries manufactured by wet processing

in: Energy Storage Materials

In this publication, a new full mechano-electrochemical computational workflow model for the simulation of 3D-resolved electrode microstructures functioning in a solid-state battery cell is shown. The model accounts for the bi-directional coupling between mechanics, electrochemistry and transport processes.

[Read the publication](#)

**Assessing Mesoscale Heterogeneities in Hard Carbon Electrodes
Through Deep Learning-Assisted FIB-SEM Characterization,
Manufacturing and Electrochemical Modeling**

in: Advanced Energy Materials

With sodium-ion batteries (SIBs) entering the energy market, optimizing their performance has become a key research focus. To assess electrochemical performance, different manufacturing conditions of hard carbon (HC) negative electrodes by varying the solid content in the slurry and the calendering degree applied to the electrodes are addressed.

[Read the publication](#)

Battery enthusiasts at Battery 2030+ conference



Over 250 battery experts from across world took part in the latest edition of the **Annual Conference of Battery2030+** organised by Politecnico di Torino.

Recap Battery 2030+

Event announcements



CPEM 2026

6 - 11 September 2026, Madrid, Spain

[More information](#)



7th International Energy Storage Materials Conference

20 - 23 September 2026, Dresden, Germany

[More information](#)

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



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