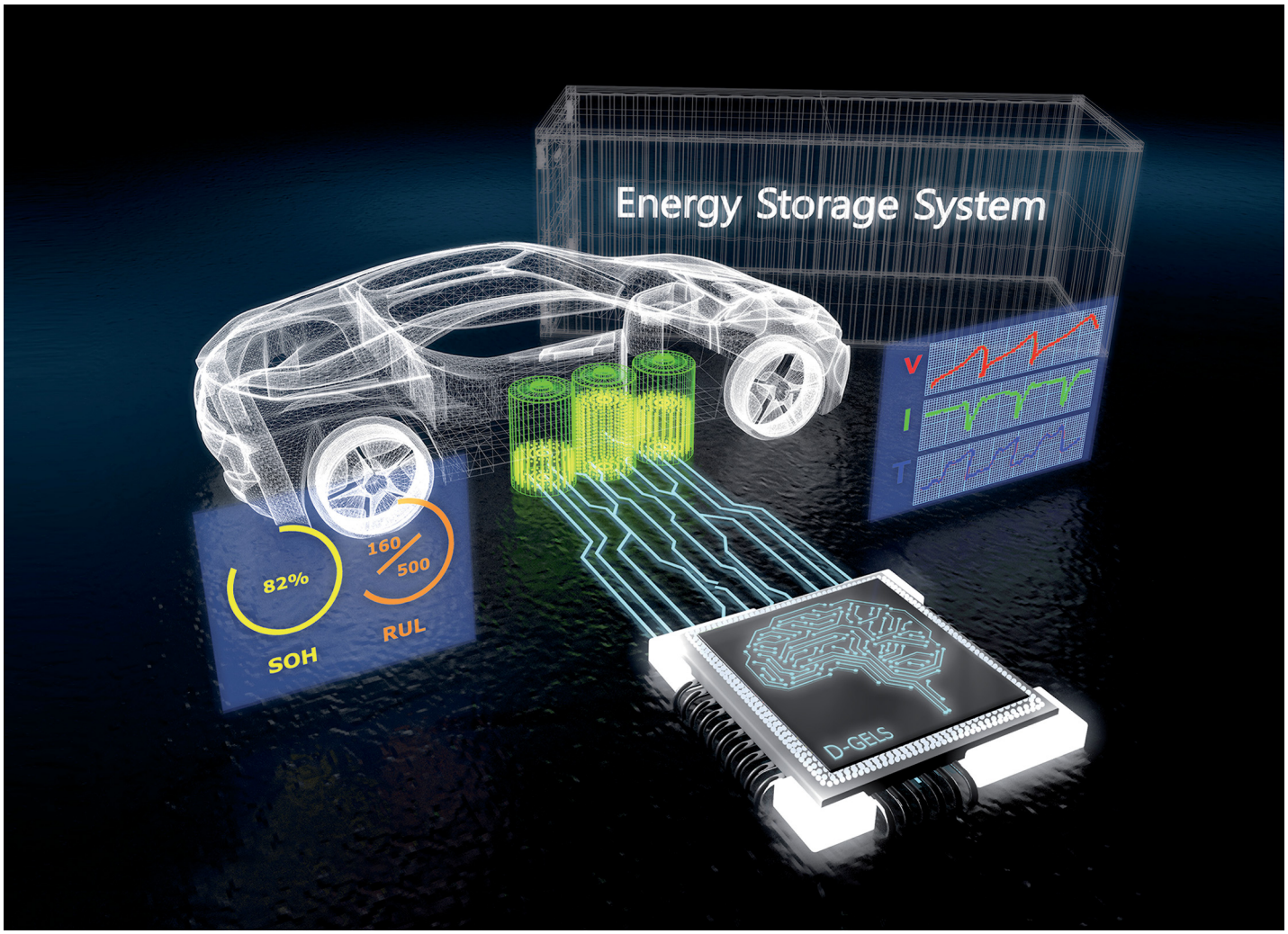

Showcasing work from the Sustainable Process Analysis, Design, and Engineering (SPADE) laboratory of Prof. Hankwon Lim, and Systems Biology and Machine Learning (SBML) laboratory of Prof. Donghyuk Kim at Ulsan National Institute of Science and Technology, Ulsan, Korea.

Deep-learning based spatio-temporal generative model on assessing state-of-health for Li-ion batteries with partially-cycled profiles

With the rapid increase in electric appliance usage worldwide, accurate estimation of the state-of-health of Li-ion batteries has emerged as a key area in battery engineering and research. We present a deep-learning framework based on a graphical approach that can be utilized to estimate the state-of-health of Li-ion batteries using only partially cycled profiles that can be applied to three cathode materials.

As featured in:

See Yunseok Choi, Hankwon Lim, Donghyuk Kim *et al.*, *Mater. Horiz.*, 2023, **10**, 1274.

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