



演 題: **High performance effects with organic additives
for high voltage EDLC system**

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場 所: 工学部材料・化学棟大会議室 (MC526)

共 催: 電気化学会北海道支部

要旨:

Recently, high power batteries and devices have been of interest due to increases in the electronic vehicles industry. Electrical double layer capacitors (EDLCs) and super-capacitors, have received substantial attention as large-scale energy storage devices due to their higher power densities and long cycle life compared to lithium ion batteries. However, electrochemical capacitors have lower energy densities than lithium ion batteries. In this study, we studied the enhanced the energy densities of electrochemical capacitors by using a composite solvent and inserting additive materials through the formation of stable SEI layers.

本講演は、大学院総合化学院『化学研究先端講義（修士課程選択科目）／総合化学特別研究第二（博士後期課程選択科目）』の一部として認定されています。

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