



演 題 : **Electrochemical Properties of  
Composite Materials for  
Hybrid Capacitor**

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場 所 : フロンティア応用科学研究棟  
セミナー室 1

Seminar Room 1,  
Frontier Research in Applied Sciences Building

要 旨 :

Electrochemical capacitors (ECs), also called super-capacitors or ultra-capacitors, are charge-storage with capacities intermediate between those of electrolytic capacitors and rechargeable batteries. ECs store charge at the electrode/electrolyte interface, either through conventional non-Faradic means, by forming an electric double layer or by a limited Faradic reaction. The development of high performance capacitors requires improvements in all components such as activate material, electrolyte, binder and cell configuration. Recently, researchers have begun to overcome the limits of conventional EDLCs. In this work, we investigated the electrochemical performance of hybrid capacitor based nano-carbon composite material in organic or Li<sup>+</sup> dissolved electrolytes.

本講演は、大学院総合化学院『化学研究先端講義/総合化学特別研究第二』の一部として認定されています。

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