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SDU Energy Club Seminar - April 15, 2021

Supercapacitors – Materials and Applications

Supercapacitors are particularly suitable for fast (milli seconds to minutes) and multi repeatable energy storage of small but also higher power ranges.

In this workshop, we will discuss the recent progress on supercapacitor technology, having a focus on new nano-based materials for supercapacitors, new processing techniques that facilitate low-cost volume production such as printing and Roll-to-Roll technology, as well as new industrial applications for supercapacitor technology.

Time: April 15, 2021, 14.30-16.30. Join via Teams

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Program

Welcome

by Associate Prof. Thomas Ebel/
Prof. WSR. Morten Madsen

Dr. Zachary J. Davis, DTI

Printed Supercapacitors

Prof. WSR. Yogendra Kumar Mishra and Prof. WSR. Morten Madsen, SDU TEK

Supercapacitors: New materials and R2R
processing

Dr. Steffen Vindt, CEO, Innocell ApS

Hybrid Supercapacitors

Martin Zacho, Senior Principal Technical Expert, Energy Storage, Schneider Electric IT Denmark ApS

Supercapacitors in large 3-phase UPS's

Erik Hansen, CEO, Hisun

Supercapacitors in PV Systems

Associate Prof. Thomas Ebel, SDU TEK

Supercapacitors in kinetic energy recovery
systems