



The Network NanoCarbon presents:

Focus workshop „Nanocarbons for energy storage“

How can nanocarbons improve the future of energy storage? Meet the experts, join the discussion and find out during this focus workshop on **October 14, 2020**.

WELCOME

- 09:15 Login open
- 09:30 S. Bertsch, Network NanoCarbon
Opening remarks and welcome
- 09:35 J. Schuster and P. Grambow, Nanoinitiative Bayern GmbH
Short introduction of the Cluster Nanotechnology and its networks

PRESENTATIONS

- 09:50 D. Nemeč, Fraunhofer Institute for Manufacturing Engineering and Automation IPA
The manufacturing process of electrode pastes for lithium-ion batteries
- 10:10 S. Pohlmann, Skeleton Technologies Group
Nanoporous carbon materials in energy storage: Next generation ultracapacitors
- 10:30 P. Boulanger, NAWA Technologies
Ultra-fast carbon electrodes made of functionalised vertically-aligned nanotubes and their applications to power and energy storage devices

10:50 J. Hoppe and J. Helbig, Institute for Chemistry, Materials and Product Development (OHM-CMP), Technische Hochschule Nürnberg
Carbon-doped titanate nanotubes as a novel material for energy conversion

11:10 Th. Hickmann, Eisenhuth GmbH & Co. KG and B. Krause, Leibniz Institute of Polymer Research Dresden e.V. (IPF)
Planar CNT materials for battery components in automotive applications

11:30 **Graphene Flagship session**
V. Pellegrini, Italian Institute of Technology
Two-dimensional materials for energy applications
Ch. Stangl, VARTA Micro Innovation GmbH
Graphene for batteries. Case-study by VARTA



12:00 Lunchbreak

DISCUSSION

- 13:00 ~ 1 hour **open discussion**
Join the discussion and get in touch with our speakers and experts.
- 14:30 **Meeting of the Network NanoCarbon (members only)**
In the Network NanoCarbon international partners work closely together to develop innovative nanocarbon products for the market.

SCOPE OF THE EVENT

Main topics of this event are hands-on solutions for the challenges in the field of energy storage. Researching and developing more efficient energy storage methods is key for a more sustainable future. Therefore, this key technology is in the focus of different competence centers (e.g. the Graphene Flagship) whose experts will share their knowledge during this workshop.

Furthermore, specialists from small and medium-sized enterprises will present topics like Li-ion batteries and how to improve them using carbon nano tubes, the gain of graphene in ultracapacitors as well as a new approach to implementing fuel cells in automotive applications. This is your opportunity to get insight into energy storage from a business oriented perspective.

During the discussion in the afternoon, you have the chance to interact with our experts and the other participants. Use this opportunity to get answers about different technologies for energy storage and make new connections.

REGISTRATION AND RATES

You will receive your login data via email shortly before the event. Prices are subject to VAT.

Please find further information and the online registration form at: <http://battery.nano.bayern>

External participants	150 €
Members of the Nanonetz Bayern e.V. and network partners (NanoSilver, NanoCarbon, nanoInk, NanoAnalytics, Nano4eMob)	60 €

Special rates EVENT PACKAGE

All participants of the NanoCarbon Annual Conference 2021 will receive a 33 % reduced rate for this online event:

External participants	100 €
Members of the Nanonetz Bayern e.V. and network partners	40 €