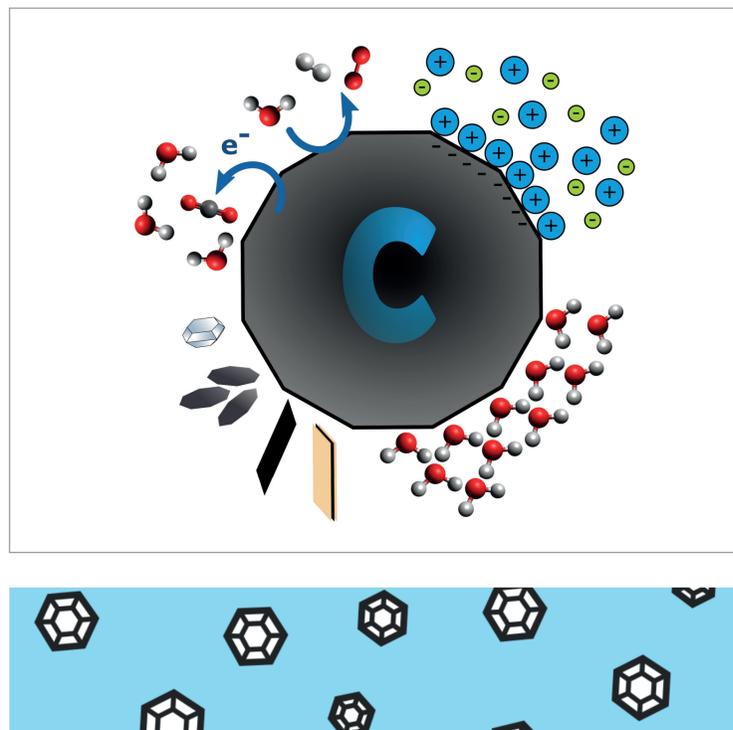
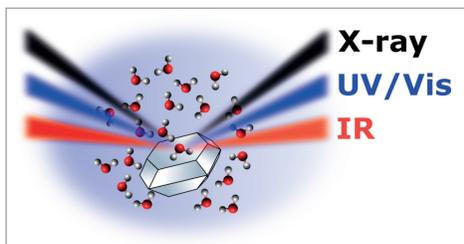


# Carbon Nanomaterials in Aqueous Environment: From Characterization to Applications

February 21 – 23, 2018 | Berlin, Germany



Helmholtz-Zentrum Berlin  
für Materialien und Energie  
Wilhelm-Conrad-Röntgen-  
Campus (Berlin Adlershof)  
Albert-Einstein-Str. 15  
12489 Berlin

freigeist2018@helmholtz-berlin.de

## MAIN TOPICS

- X-ray and vibrational spectroscopies
- Time-resolved spectroscopy
- Solar fuels
- Energie storage and conversion
- Biomedical applications

## CONFIRMED SPEAKERS

- J.-C. Arnault (CEA, France)
- T. Dolenko (Moscow State Uni, Russia)
- A. Krüger (Würzburg Uni, Germany)
- Y. Gogotsi (Drexel Uni, USA)
- D. Guldi (FAU Erlangen, Germany)
- R. Jelinek (Ben Gurion Uni, Israel)
- H.G. Park (ETH Zürich, Switzerland)
- V. Presser (Leibniz INM, Germany)

## SCOPE OF THE WORKSHOP

Carbon nanomaterials interact with water and ions in many ways in aqueous environment. A large variety of carbon nanomaterials, including nanodiamonds, carbon dots, carbon nitride, graphene and MXene, have recently been proposed for applications in energy conversion and storage, water remediation and filtration, or nanomedicine among others. For all these applications, complex interactions with aqueous environment are involved, which remain still poorly understood yet.

In this interdisciplinary workshop, various aspects involving carbon-liquid interface will be discussed ranging from experimental characterization and theoretical calculation of nanomaterials in liquid to the development of new applications. A special emphasis will be given to photo- and electrochemical processes at the surface of carbon nanomaterials in aqueous environment.

With generous support of:  VolkswagenStiftung

**FREIGEIST**  
FELLOW DER VOLKSWAGENSTIFTUNG

Online Application and Abstract  
Submission until  
**December 3, 2017**



hz-b.de/freigeist2018