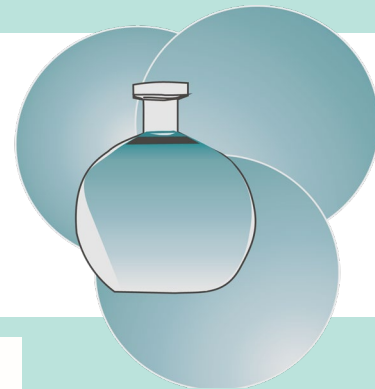


Fakultät für Naturwissenschaften
Institut für Chemie



lädt ein

gemeinsam mit der Gesellschaft
Deutscher Chemiker
zum



Vortrag

von Herrn

**Prof. Amitabh
Banerji**

Chemistry Education

University of Potsdam

**“Organic
Electronics –
From the
Research Lab
into the
Classroom”**

am: 26. Juni 2025

um: 16:00 Uhr

WO: im Raum 1/232

Gäste sind herzlich willkommen!

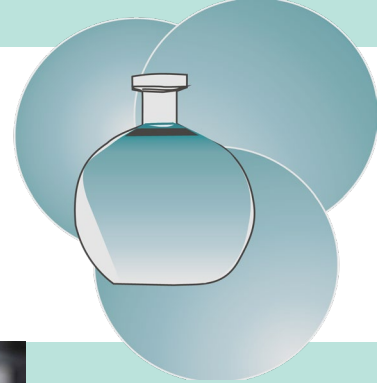


TECHNISCHE UNIVERSITÄT
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GDCh
GESELLSCHAFT
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Organic Electronics – From the Research Lab into the Classroom

Our group has a long-lasting expertise in introducing recent scientific developments into chemistry classes by following the principles of Curriculum Innovation [1]. Organic semiconductors are a new class of materials representing an innovative field of scientific research. Efficient illuminants, such as organic light emitting diodes (OLEDs) can be found in ultra-thin and super-bright displays of modern high-tech applications. Organic Photovoltaic cells (OPV) can be produced as light weight, super-thin, flexible and semi-transparent films, which can be embedded into the windows and facades of modern buildings.

In my talk, I will discuss the theoretical basics of organic electronics and I will demonstrate the low-cost fabrication of a DIY-OLED and a DIY-OPV-cell [2] in a live demo (fig. 1).

Science can be so much fun!

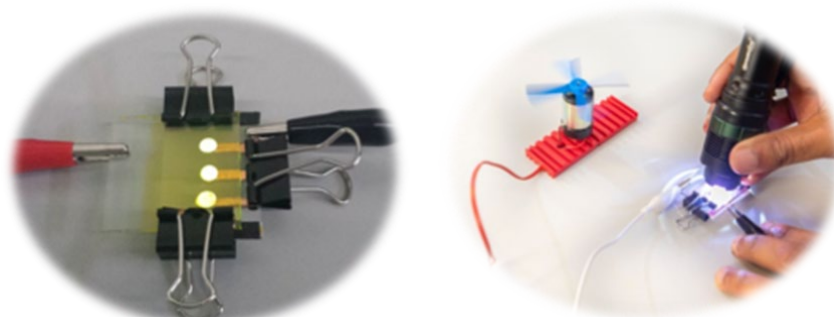


Figure 1: low-cost DIY-OLED (left) and DIY-OPV-cell (right)

References:

- [1] M. W. Tausch, *PdN-ChiS*, **2004**, 53(8), 18–21
[2] A. Banerji, *Nachr. Chem.* **2017**, 65(7/8), 807–809