

UniCat Colloquium

PROF. DR. HAINING TIAN

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Converting Solar Energy into Electricity and Fuels by Functional Molecules

Utilizing solar energy to generate electricity and fuels is considered as one of the strategies to solve the energy crisis in future. Since the chemical and physical properties of molecules can be effectively tuned by structural engineering, functional molecules as photosensitizers and catalysts are showing more and more applications in solar energy conversion research field.

In my presentation, I will present our progress on design and application of functional molecules in the dye sensitized photocathodes for solar cells and solar fuels. The interfacial charge transfer processes in both systems will also be clarified. I will also show our recently discovered metal-free photocatalyst system, organic semiconducting polymer nano-dots (Pdots), for light driven hydrogen evolution.

Wednesday, May 10, 2017 at 5:15 PM

TU Berlin, Institute of Chemistry
Straße des 17. Juni 115, 10623 Berlin

Building C, Lecture Hall **C 264**

**Prof. Dr. van de Krol (TUB/HZB),
Prof. Dr. Rademann (HUB), and
Dr. Penno (UniCat)**
Organizers

Coffee and cake will be served 30 minutes before the lecture. Guests are cordially invited to attend!
Prof. Dr. Matthias Driess - Chair of the Cluster of Excellence UniCat - www.unicat.tu-berlin.de

