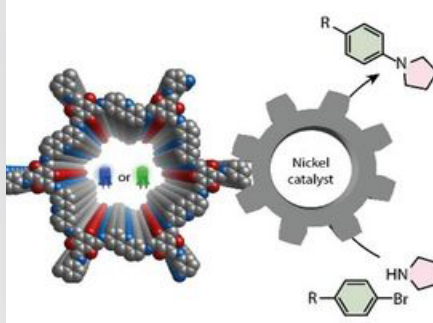


# Newsletter

## Summer 2022



### Research Highlights

Click here to take a brief look at what researchers at UniSysCat have been working on the past few months.



### Current Affairs

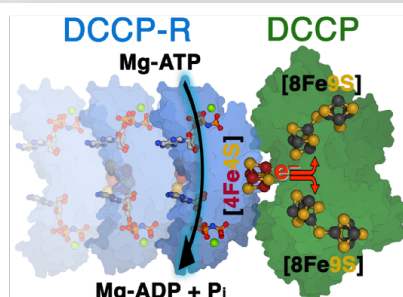
Click here to view the most recent events, awards and other affairs hosted by UniSysCat.



### Upcoming Events

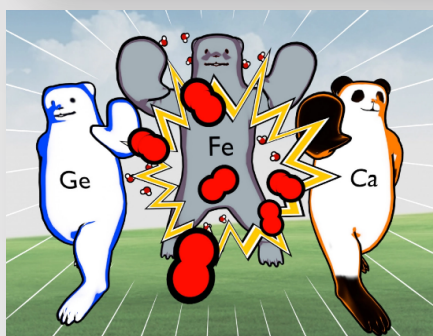
Click here to take a look at the colloquia and other events coming up.

# Research Highlights



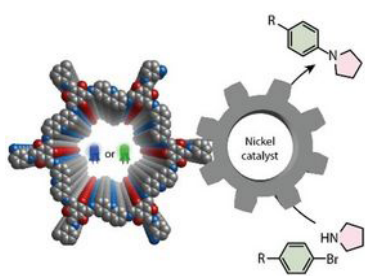
## Coupled catalytic reactions: How are ATP hydrolysis and electron transfer coupled?

A research team from the group of Prof. Dobbek found a coupling scheme for the ATP-driven electron transfer in the double-cubane cluster protein and its associated metalloenzyme based on the structure of their complex.



## A new efficient catalyst for electrocatalytic oxygen evolution

A team of UniSysCat researchers developed a very efficient Ca-Fe-O catalyst for electrocatalytic water splitting. The current work of the groups of Prof. Drieß, Dr. Zebger and Dr. Menezes underlines the crucial role of Calcium in this process.



## Covalent organic frameworks for photo- and electrocatalytic applications

Two papers published in *Angewandte Chemie* showcase the fantastic research regarding novel covalent organic frameworks by the UniSysCat research groups of Prof. Thomas, Dr. Pieber, Prof. Strasser and Prof. Roldan Cuenya.

# Current Affairs



## **Outstanding Achievement Award for Birgit Kanngießer by the European X-Ray Spectrometry Association**

The jury acknowledges her pioneering work in the field of quantitative confocal  $\mu$ -XRF (X-ray fluorescence) analysis and the transfer of synchrotron radiation-based instrumentation into the laboratory.



## **Podcast about green hydrogen with UniSysCat member Robert Schlögl**

Prof. Schlögl was invited to speak in the podcast titled "Hydrogen - the 'champagne' of renewable energies?" by the Berlin Research 50 association. Together with Dr. Hlawenka and Prof. Holz, the future of renewable energy and mobility was discussed.



## **Award for the founders of green chemistry**

UniSysCat warmly congratulates Prof. Paul Anastas and Prof. John Warner on receiving the August-Wilhelm-von-Hofmann-Denkmünze by the GDCh. We are pleased to be working closely with Prof. Warner, who is an honorary professor at the TU Berlin and an advisory board member of the CIF.



## **WissenAusBerlin showcases green chemistry with Prof. Matthias Drieß**

In a video titled "Climate change and catalysis: can chemistry help us?", UniSysCat group leader Prof. Matthias Drieß talks about green chemistry and the role of catalysis in the future of sustainability and energy.

# Current Affairs



## **One week with UniSysCat in the Mall Anders**

Mall Anders was a pop-up science lab on the ground floor of the shopping center "WILMA Shoppen". For one whole week, UniSysCat presented different exhibits and shows for an audience excited to learn about the future of chemistry and catalysis.



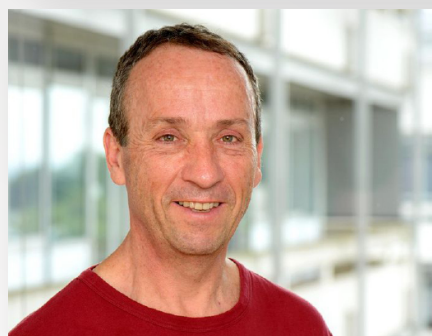
## **Zeynep Altintas appointed to a full professor in Kiel**

Zeynep Altintas, prior associated member of UniSysCat, has been appointed to a W3 professorship for Biomaterials at the Faculty of Engineering at Christian-Albrechts-Universität zu Kiel and started at her new position as of May 1st.



## **Berlin4Ukraine: Meet & Learn - A networking event for exile researchers**

The Berlin4Ukraine event aimed to present basic information on the structures and key players of the German scientific system, on the major resources available for refugee researchers and scholars at risk in particular, as well as information on the German science funding system in general.



## **Alec Wodtke wins 2022 Ertl Lecture Prize**

The 15<sup>th</sup> Gerhard Ertl Lecture Award goes to Prof. Dr. Alec M. Wodtke, Director at the Max Planck Institute for Multidisciplinary Sciences and Professor at the Institute for Physical Chemistry at the University of Göttingen.



# Current Affairs



## **Introducing Onward Aid: Medical assistance for Ukraine**

UniSysCat is pleased to introduce Onward Aid, an initiative by Thomas Humphrey, one of our student staff. His organization provides medical aid to hospitals in Ukraine. UniSysCat supports his project and his commitment.



## **Support for scientists from Ukraine**

We call on Ukrainian researchers in related fields to get in touch if they are interested in joining one of the UniSysCat working groups. Our research group leaders are happy to host Ukrainian scientists and the participating institutions in UniSysCat offer a range of support services, such as fellowships or free work spaces.



## **Clara Immerwahr Award Ceremony**

For her outstanding research on the spectroscopy of catalysis, UniSysCat presented Dr. Charlotte Vogt from the Technion Institute of Technology (Israel) with this year's Clara Immerwahr Award on 3 June 2022 at the TU Berlin.



## **Great support to “overcome the limits of photocatalysis”**

UniSysCat group leader Dr. Bartholomäus Pieber from the Max Planck Institute of Colloids and Interfaces receives funding of around 839,000 Euros for his photocatalysis research.

# Current Affairs



## **New optobiology center in Berlin**

At the end of April, the German Federal and State Science Council recommended the joint application of Humboldt-Universität zu Berlin (HU) and Charité-Universitätsmedizin Berlin for the funding of a new research building with the amount of approximately 69 million euros.



## **Research on petromodernity at UniSysCat showcased in a film on ARTE**

A film shown on ZDF/ARTE titled "Petro-Melancholie. Das Erdölzeitalter im Spiegel der Kunst" ("Petro-Melancholia. The petroleum age in the mirror of art") presents the work of UniSysCat scientist Benjamin Steininger on petromodernity research.



## **Robert Schlögl becomes new President of the Alexander von Humboldt Foundation**

Robert Schlögl, director at the Fritz-Haber-Institute of the Max-Planck Society, was proposed as the new Foundation President by an international search committee with the unanimous approval of the Foundation Council.



## **Five new episodes of "exzellente erklärt - Spitzenforschung für alle"**

57 Clusters of Excellence - one podcast: "Exzellente erklärt" reports regularly from one of the research networks that are funded as part of Germany's Excellence Strategy. Five new episodes for the months of May to July have been released!



# Upcoming Events



## **Inaugural lecture of Honorary Professor John Warner**

On the occasion of his appointment as honorary professor for green chemistry at TU Berlin, Prof. John Warner will give an inaugural lecture and receive the certificate in a festive ceremony. You're kindly invited to join the ceremony!

Date: 05.09.22



## **Panel Discussion: post-fossil fuel era**

Within the framework of Berlin Science week, UniSysCat will be hosting a panel discussion at Urania Berlin on the topic of energy security in the post-fossil era and how chemical catalysis will play a major role in the outcome of our understanding of energy and mobility.

Date: 09.11.22



## Imprint

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