

UniCat Seminar

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Greening Greenhouse Gas, G3

The Intergovernmental Panel on Climate Change (IPCC) reported in October 2013 that it is 95% certain humans are the cause of anthropogenic climate change from carbon dioxide greenhouse gas emitted into the atmosphere. In March 2014 the IPCC announced that our planet now faces irreversible climate change and our only choice going forward is an assessment of risk, vulnerability, mitigation, adaptation and cost. It is now more urgent than ever before that government, industry and business stakeholders around the world invest in long-term research on artificial photosynthesis the aim of which is to discover materials that can harness solar energy and transform carbon dioxide into an energy rich fuel and a chemical feedstock, mimicking the way photosynthetic organisms harvest sunlight and capture carbon dioxide to drive life-sustaining biochemical processes.

This paradigm of utilizing carbon dioxide as a source of fuel and chemicals rather than treating it as a waste product, promises a new carbon dioxide based economy and an era of sustainability by gifting humanity with an unlimited supply of carbon neutral solar fuels from the sun rather than depleting the finite source of legacy fossil fuels from the earth and replacing them with increasing amounts of greenhouse gas in the atmosphere. In this seminar I will describe the progress of the University of Toronto Solar Fuels Cluster towards realizing the lofty goal of 'greening greenhouse gas' into renewable fuels and chemicals

Tuesday, July 29, 2014 at 4:00 PM

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

Building C, Lecture Hall **C 230 !!!**

Prof. Thomas (TUB)

Organizer

Guests are cordially invited to attend!

Prof. Dr. Matthias Driess - Chair of the Cluster of Excellence UniCat - www.unicat.tu-berlin.de

