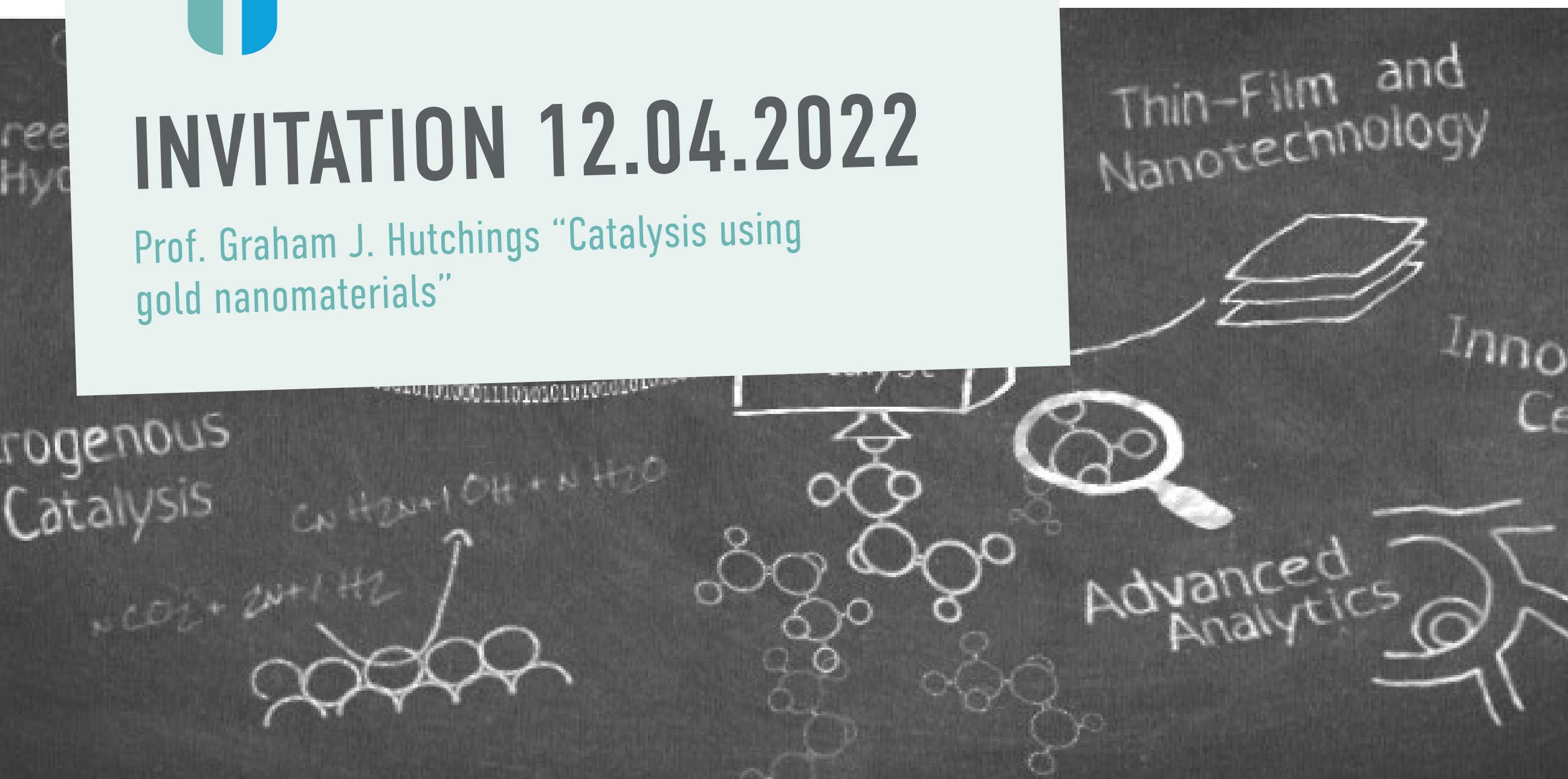




# INVITATION 12.04.2022

Prof. Graham J. Hutchings "Catalysis using gold nanomaterials"





## HIGHLIGHT LECTURE

### PROF. GRAHAM HUTCHINGS CARDIFF CATALYSIS INSTITUTE, SCHOOL OF CHEMISTRY, CARDIFF UNIVERSITY

Catalysis is of crucial importance for the manufacture of the goods and infrastructure and underpins the manufacture of most goods. In this way catalysis contributes towards over 25% of global domestic product. Hence designing new catalysts is a topic of intense research interest in the scientific community.

For example, the identification that gold in nanoparticulate form is an exceptionally effective redox catalyst has paved the way for a new class of active catalysts. Gold is the most active catalyst for acetylene hydro-

chlorination and recent research on this will be described. In particular the innovations that were required to enable its commercialization will be described; as well as new applications for gold palladium alloy catalysts. Recent work on methane activation, water disinfection and the new CORE effect will be described.

We are pleased to welcome you **virtually** on Tuesday, 12<sup>th</sup> April at 10 am.  
[www.catlab.berlin](http://www.catlab.berlin)

#### MODERATOR:

Prof. Dr. Robert Schlögl,  
Fritz-Haber-Institut

[PLEASE REGISTER HERE](#)

The link to the online lecture will be sent to you on 11<sup>th</sup> April.

Registration requested by 11<sup>th</sup> April (1 pm Cest)