



# GDCh

Gesellschaft Deutscher Chemiker  
Ortsverband Bonn



**Tuesday, January 23 at 5 pm (17 Uhr s.t.) in Hörsaal 2**

## ***Chemistry Bachelor Award Ceremony***



**Dr. Marco Bosch**

**BASF SE, Ludwigshafen, Germany**

**BASF's Net Zero Accelerator**

In March of 2021 BASF presented their plans to reduce the scope 1&2 CO<sub>2</sub> emissions in 2030 by 25% and develop a pathway towards net zero emissions until 2050. In order to drive this global transformation, the department Net Zero Accelerator was founded in January 2022 with the task to coordinate and accelerate the transformation.

I will present, how BASF is approaching the reduction of scope 1&2 emissions and talk about the importance of creating transparency and understanding thermodynamic principles to identify the major technological challenges. I will explain, why -with regard to scope 1 & 2- we need an energy transformation in order to be able to achieve the -80% to -90% emission reduction goals, what technological opportunities & challenges there are by electrification of chemical processes & utilities and what BASF is doing in order to get access affordable renewable energy, which is a key enabler for the electrification.