Warwick Chemistry Departmental Seminar

Prof Dr Joost N H Reek

University of Amsterdam

Thursday 14 March
4.00 pm, Physics Lecture Theatre, Science Concourse

‘Supramolecular approaches in Transition Metal Catalysis’

The interface between supramolecular chemistry and transition metal catalysis has received surprisingly little attention in contrast to the individual disciplines. It provides, however, novel and elegant strategies that lead to new tools for the search of effective catalysts, and as such this has been an important research theme in our laboratories. In this presentation I will focus on supramolecular strategies to control activity and selectivity in transition metal catalysis, which is especially important for reactions that are impossible to control using traditional catalyst development.

Biography

Joost Reek obtained his PhD at the University of Nijmegen (with Prof. R.J.M. Nolte) in the area of supramolecular chemistry. After a post-doc with Prof. Crossley in Sydney, he moved to the University of Amsterdam in 1998, where he was promoted to full professor in 2006, and faculty professor in 2017. His research interests include homogeneous catalysis and supramolecular chemistry, and he is exploring new research on the border of these research topics. In addition, he has an interest in developing solar to fuel devices based on molecular components, with a focus on the catalytic processes involved