

Warwick Chemistry Departmental Seminar

Biography Dr. R. Maurer

Before starting as an Assistant Professor at Warwick in 2017, Dr. Maurer completed his PhD and postdoctoral research at TU Munich (Germany) and Yale University (USA).



Biography Dr. G.C Sosso

Material Scientist by education (PhD in Nanostructures and Nanotechnologies), Dr. Sosso worked at ETH Zürich (CH) and UCL (UK) across the Departments of Physics, Chemistry and Biosciences.

Dr Reinhard Maurer and Dr Gabriele Sosso

University of Warwick

Thursday 31 January

4.00 pm, Physics Lecture Theatre, Science Concourse

Computational insights into light- and electron-driven chemistry at surfaces

A fundamental understanding of molecular structure and chemical reactivity at complex interfaces is key to many technological applications ranging from single molecule electronics to photo-electrocatalysis. In this talk, I will show how large-scale surface calculations based on predictive electronic structure theory can deliver such understanding.

Machine Learning: Navigating the Hype

There is nowhere to run: machine learning percolated through the natural sciences to such an extent that not even synthetic chemists are now entirely safe. In this talk, I will offer a critical – if mildly biased - perspective on whether and how we should embrace machine learning to boost our research.