



# 化学系

## 学科进展报告

题目: **Modeling catalysts and photocatalysts from first-principle calculations**

报告人: **Prof. Philippe Sautet**  
**Université de Lyon and CNRS**

法国科学院院士

时间: **2015年9月17日(星期四) 10:00-11:00**

地点: **化学西楼一楼多功能厅**

### 报告人简历

Philippe Sautet has studied at "Ecole Polytechnique" in Paris and defended his doctorate in Theoretical Chemistry at Orsay University (Paris XI) in 1989. He then entered CNRS at the Institute of Research on Catalysis in Lyon, where he developed and lead a group devoted to the applications of theoretical chemistry to heterogeneous catalysis. He spent a sabbatical at Berkeley University.

After being the director of the laboratory of Chemistry at the ENS of Lyon for 8 years, he is now director of the "Institut de Chimie de Lyon", a cluster of chemistry laboratories in Lyon.

His research interests are in the theory of the electronic structure at the interface between a solid surface and molecules and the modeling of elementary steps of heterogeneous catalysis. His work on the simulation of the atomic scale image of surfaces obtained with the scanning tunneling microscope brought him to international attention. He is worldwide recognized for his theoretical study at the molecular scale of catalysts and catalyzed reactions. He collaborates with several experimental groups in the field.

He has published over 200 scientific papers. The impact of his research is illustrated by more than 100 invited lectures at conferences and by a H factor of 53. He received the silver medal of CNRS in 2007, the Paul Pascal Prize of the French Academy of Science in 2008 and the Pierre Süe Grand Prize of the French Chemical Society in 2012. He was elected at the French Academy of Science in 2010. He is nominated in several councils or committees and is associate editor of ACS Catalysis, an international journal published by the American Chemical Society.



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