

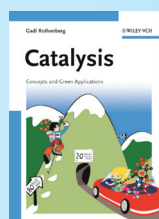
PHD vacancy in Heterogeneous Catalysis and Sustainable Chemistry at the University of Amsterdam

I am looking for a PhD student for my research group. We focus on the discovery and optimization of catalysts for the clean synthesis of bulk- and fine-chemicals, using both computational and experimental methods. Applications include clean energy (bio-diesel production, fuel cells, reducing emissions), improved catalytic routes to bulk chemicals (C1-C6 chemistry), and waste minimization in fine-chemicals manufacturing. Two main research lines are catalysts based on nanostructured metallic and ceramic surfaces, and combining predictive modelling and high throughput experimentation in catalyst and process optimization. Our research is funded by the Dutch government and various industrial partners.

I need a bright and enthusiastic researcher, with a **proven record of excellence**, that wants to join a result-oriented and close-knit team. You must be willing and able to learn quickly and work independently. A strong background in chemical engineering/chemistry, with emphasis on heterogeneous catalysis, as well as fluent spoken and written English, is required. Knowledge of Dutch is an advantage.



For a full description of both vacancies See www.uva.nl/vacatures



Tip: read my book **Catalysis: Concepts and Green Applications** (Wiley-VCH, ISBN 978-3-527-31824-7). It gives a good overview of my research philosophy.

See www.catalysisbook.org

PhD Student in Heterogeneous Catalysis (vacancy 10-1007)

The successful candidate will search for new heterogeneous catalysts for selective oxidation applications. He/she will use advanced synthesis and screening tools to make, characterize, and test catalysts under both flow and high-pressure batch conditions. The initial appointment is for 18 months, extending to 4 years following positive evaluation, and culminating in a PhD thesis. The candidate will receive a detailed educational plan, including attendance of courses and (inter)national conferences. The gross monthly salary starts at €2,042 in the first year, rising up to a maximum of €2,612 in the fourth year.



Job application

Send your CV and cover letter as PDF files to application@science.uva.nl, with a cc to g.rothenberg@uva.nl. Please quote the vacancy number in the subject line.

The closing date for applications is **25 February, 2010.**



Gadi Rothenberg

Professor and Chair of Heterogeneous Catalysis and Sustainable Chemistry
Van 't Hoff Institute for Molecular Sciences, University of Amsterdam, The Netherlands.

E-mail g.rothenberg@uva.nl

Tel. 0031 (0)20 525 6963

www.science.uva.nl/~gadi