



first circular

# 17<sup>th</sup> International Symposium on Relations between Homogeneous and Heterogeneous Catalysis

July 12-15, 2015 | Utrecht, The Netherlands



Universiteit Utrecht

# Invitation

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Utrecht University and the Catalysis Centre Utrecht have the pleasure to invite you to the 17th International Symposium on Relations between Homogeneous and Heterogeneous Catalysis. The symposium will be held from July 12-15, 2015, in Utrecht, a beautiful historic city in the Netherlands. We hope to welcome all of you who are interested in the molecular aspects of heterogeneous and homogeneous catalysis and in the latest scientific developments at the interface of these two disciplines.



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## Scope

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Following the tradition of the preceding ISHHC conferences, ISHHC17 will bring together scientists working at the forefront of the disciplines of homogeneous and heterogeneous catalysis. ISHHC17 intends to offer a platform where scientists from academia as well as industry, can meet to discuss the recent advances in instrumentation, synthesis and molecular level reaction studies. The aim of ISHHC17 is to uncover and focus on common concepts that emerge from atomic, molecular and nanoscale studies of the structure, function and dynamics of the two types of catalysts.

In addition to plenary and keynote lectures as well as poster presentations, four topical sessions will be organized in parallel:

# Parallel sessions

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## Advanced Tools for Catalysis

Focusing on experimental and theoretical tools that allow the investigation of catalytic phenomena down to the single atom and single molecule level, often under conditions very close to those of practical relevance.

Chaired by Bert Weckhuysen, Suzanne Blum (University of California, Irvine) and Maarten Roefflaers (KU Leuven)

## Complexity and Cooperativity in Catalysis

Highlighting the latest developments in catalytic reactions, in which multiple different substrates or different catalyst components take part, avoiding the isolation of intermediate reaction products and increasing process chemo/regio/enantioselectivity.

Chaired by Bert Klein Gebbink, Joost Reek (University of Amsterdam) and Masaya Sawamura (Hokkaido University)

## Hybrid Approaches to Catalysis

Covering atomically or molecularly defined supported catalysts, offering the potential of better control over the elementary steps in the catalytic process and the promise of rational catalyst design.

Chaired by Pieter Bruijninx, Kuiling Ding (Chinese Academy of Sciences) and Justin Notestein (Northwestern University)

## Reaction and Separation Technology

Dealing with the broader aspects of catalytic engineering, this session aims to highlight the intimate interplay between molecular, microscopic and macroscopic engineering for the purpose of catalysis.

Chaired by Eelco Vogt (Albemarle), Christopher Hardacre (Queen's University Belfast) and Walter Leitner (RWTH Aachen)

For a more extensive description of the scope of the topical sessions, please see the website.

## Call for papers

Authors are invited to submit an abstract for oral contributions in the parallel sessions and for poster presentations. Requirements for the abstract (submission), including the abstract template, will be available online from December 1, 2014. Accepted abstracts will be published in the book of abstracts of ISHHC17.

## Key dates

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Call for abstracts:  
December 1, 2014

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Deadline abstract submission:  
February 15, 2015

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Notification of acceptance:  
End of March, 2015

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Registration opens:  
December 1, 2014

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Online early registration deadline:  
April 30, 2015

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# Organizing Committee

The ISHHC17 is organized by the Catalysis Centre Utrecht (CCU) of Utrecht University in the Netherlands, with financial support of Utrecht University's Strategic Theme Sustainability. Within the CCU, the research groups 'Organic Chemistry and Catalysis' and 'Inorganic Chemistry and Catalysis' work together on various aspects of homogeneous and heterogeneous catalysis.

B.M. (Bert) Weckhuysen,  
Inorganic Chemistry and  
Catalysis

R.J.M. (Bert) Klein Gebbink,  
Organic Chemistry and  
Catalysis

P.C.A. (Pieter) Bruijninx,  
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# Advisory Board

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## Location & Venue

The conference will take place in Utrecht, a historic and beautiful city in the center of the Netherlands. Utrecht University, founded in 1636 is inextricably linked with the city, with many historical locations downtown and a modern University campus, called De Uithof (also known as Utrecht Science Park). You will be welcomed with an opening ceremony at the Dom church in the city center, after which the symposium will continue at De Uithof, in the Educatorium, a modern conference facility of architectural fame.

Utrecht can be easily reached via several routes, most conveniently via Amsterdam Schiphol Airport, which is served by all major international airlines. Utrecht is only 30 minutes away by train or 45 minutes by car.

The city center of Utrecht  
in The Netherlands



# ISHHC 17

UTRECHT  
2015



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