

**VENUE**

Munich is the capital of Bavaria in Southern Germany. It is located in the midst of a beautiful pre-alpine countryside and offers a spectacular variety of culinary, artistic, and cultural highlights – a perfect environment for the 15<sup>th</sup> ICC.

Munich combines the splendor of an old royal residence with the vitality of a modern center of industry and technology. Rich Bavarian tradition is combined with broad-minded openness toward the world, deep-rooted customs with tradition for dynamic innovation. Visitors are captivated by the flair of the city center, by a tour of the many spectacular museums and collections, castles, and churches, and by a simple stroll through its vast natural areas and parks.

Munich is an architectural synthesis of the arts, with impressive examples from various eras and styles – from the Gothic to the Renaissance to Art Nouveau or Art Deco. Modern accents are set by the glass and steel patterns of contemporary architecture, such as the Olympic Tent roof, the Allianz Arena, and the high rising corporate headquarters.

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**15<sup>th</sup> ICC 2012**  
MUNICH · JULY 1 – 6

# 15<sup>th</sup> International Congress on Catalysis

in Munich, Germany  
July 1 – 6, 2012

15<sup>TH</sup> INTERNATIONAL CONGRESS ON CATALYSIS

**FIRST ANNOUNCEMENT**

[www.icc2012.org](http://www.icc2012.org)

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## INVITATION TO ICC 2012

Almost three decades after the German Catalysis Society hosted the 8<sup>th</sup> International Catalysis Conference (ICC) in Berlin, we invite you to participate at the 15<sup>th</sup> ICC in Munich.

The field of catalysis has seen a dramatic evolution worldwide with emerging cross fertilization among the various areas of catalysis and the linking of a significant number of research laboratories into high profile scientific networks. Germany plays a major role in this progress, with at least seven large transdisciplinary Centers of Catalysis.

We expect that the 15<sup>th</sup> ICC will serve as a platform to exchange ideas and to discuss new developments in all areas of catalysis. In addition to four parallel oral sessions and several poster sessions, smaller discussion groups and roundtables will be arranged to allow interested academic and industrial researchers to share exciting new results in more focused areas.

The theme of the conference, "From fundamental understanding to catalyst design and novel processes" emphasizes the routes to step-out advances in catalysis from its roots in basic catalytic phenomena. The program will reflect the important role of catalysis in defining the chemistry required for sustainable growth.

The conference will be held at the International Congress Center Munich, a world-class facility offering the flexible infrastructure required to accommodate audiences of any size.

We look forward to welcoming you to Munich for an exciting 15<sup>th</sup> ICC.

## SCOPE

The program structure is arranged as a matrix that interconnects the fields to which catalysis is applied and the nature of the fundamental studies, from mechanistic analysis of surface reactions to catalyst synthesis and from spectroscopy to theory. The organizing committee considers these interconnections to facilitate the route to more selective and efficient chemical processes. The diagram illustrates the potential themes that are expected to be covered at the conference. The three-pillar structure of "Mechanisms", "Materials" and "Processes" will provide the bridges from basic concepts to problem-oriented science.

Mechanisms Understanding catalysts and catalytic reactions	Materials Design, synthesis and characterization of catalysts	Processes Novel approaches to catalytic transformations	Cross-disciplinary Workshops New ideas from related fields
<b>Catalysis for energy applications</b> (alkane activation, petroleum chemistry, hydrogen production/storage, biofuels, conversion of heavy feed, energy storage and conversion,...)			<b>Organocatalysis</b> <b>Biocatalysis</b> <b>Organometallic catalysis</b> <b>Photocatalysis</b> <b>Industrial implementation</b> ...
<b>Catalysis for chemical synthesis</b> (green synthesis, petrochemistry, use of biorenewables, fine chemicals and pharmaceuticals, enantioselective catalysis ...)			
<b>Catalysis for environmental applications</b> (cleaning exhaust streams, catalytic upgrading of waste materials, catalysts for fuel cells ...)			

## DATES TO NOTE

<b>May 2011</b>	Call for papers and opening of website for abstract submission
<b>November 2011</b>	Deadline for submission of abstracts
<b>January 2012</b>	Start of online-registration
<b>February 2012</b>	Notification of acceptance for presentation
<b>March 2012</b>	Distribution of final program

## CONFERENCE WEBSITE

All information about ICC 2012 is available on the conference website: [www.icc2012.org](http://www.icc2012.org), and will be updated regularly.

You are encouraged to visit the website regularly, it will be your best source of information on ICC 2012.

## ABSTRACT PREPARATION AND SUBMISSION

Submission of abstracts will be possible from May 2011 until November 2011. All abstracts must be submitted electronically via the conference website [www.icc2012.org](http://www.icc2012.org).

## CONFERENCE ORGANIZER



DECHEMA – The Society for Chemical Engineering and Biotechnology e.V. is a not-for-profit scientific and technical organization based in Frankfurt am Main, Germany. DECHEMA is the parent organization of the German Catalysis Society.

Website: [www.dechema.de](http://www.dechema.de)

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