

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



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

**Proposal** to host the  
**15<sup>th</sup> International  
Congress  
on Catalysis**

in Munich, Germany



Munich, July 1-6, 2012

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# Letter of Invitation

Professor Alex Bell  
President of the International Association  
of Catalysis Societies

April 2008

**Dear Professor Bell,  
dear councilors**

Twenty four years after the German Catalysis Society has hosted the International Catalysis conference in Berlin, we are turning again to the International Association of Catalytic Societies offering to organize the 15th International Catalysis Conference in Munich. We are proud to present this proposal in the name of all colleagues of the German Catalysis Community, hoping to share with you the exciting new developments in Europe and particularly in Germany.

The field of catalysis has seen a dramatic evolution in Europe with emerging cross fertilization among the various areas of catalysis and linking a significant number of research laboratories in high profile scientific networks. Germany has been at the forefront of this process with at least seven large transdisciplinary Centers of Catalysis at several locations. We would like the 15th ICC to serve as a platform for exchanging ideas and acquiring new impulses as well as to welcome our friends and colleagues from outside Europe to feel the dynamic evolution within Germany, to provide a show case for catalysis in Europe and to foster the multiple global interactions.

Germany is an ideal choice for this meeting due to its diversified and very strong Catalysis community, embedded in the European research space. The interaction between academia and industry is traditionally strong. It will help to provide a unique blend of exposure to fresh ideas and well proven technology. Technically, the meeting will be organized through DECHEMA, an organization that handles an impressive

number of workshops, symposia, and conferences from focused topical meetings to the ACHEMA, the world's largest chemical engineering exhibition congress in Frankfurt. Germany and Munich in particular offer not only world-class facilities for hosting the conference, but also the flair and culture of a European metropolis.

The theme of the conference, "From fundamental understanding to catalyst design and novel processes" emphasizes the routes to step up progress in catalysis starting from the basic catalytic phenomena. The program will reflect the important role of catalysis in chemistry to provide sustainable growth. It will be structured in a matrix emphasizing the areas of mechanisms, materials, and processes on one side and the application towards energy, chemical synthesis, and environmental protection on the other. In these three streams exciting new developments will be reported providing an in-depth overview over the field. In parallel to this, topical symposia will be held that emphasize the relation between emerging and established fields in catalysis, such as organocatalysis or biocatalysis. The symposia should help especially young scientists to broaden their view and to stimulate new ideas at the boundary between these fields. One of such symposia will be devoted to demonstrate the route from fundamental science to the realization in industrial practice.

The conference is planned to be held at the International Congress Center Munich, a world class meeting facility, offering the flexibility from large audiences

to small meeting rooms. The Center will be reserved solely for the ICC. This will allow for casual private and informal network gatherings to take place throughout the venue. The conference center is well connected to the inner city by subway allowing to enjoy the charm of the urban residence. The social program will take full advantage of this by arranging evening museum visits, concerts, and informal social events. It will allow to experience Bavarian culture and hospitality in a most personal way.

We have done our utmost to minimize the financial burden on the participants. A conservative estimate of the budget leads currently to a very competitive rate of € 490 for full participation at preregistration and € 150 for students. 10% of the registration fee will be set aside as contribution to IACS. We hope that the low registration fee, together with low-budget accom-

modation and travel grants for students giving oral presentations, will encourage young scientists to attend.

The 15<sup>th</sup> ICC will be embedded in pre- and post-conference events in Germany and our neighboring countries. The central location of Munich allows participants easily to combine travels with excellent air and rail connections all across Europe. Participants will be able to discover the beauty of the alpine countries and the splendor of the old cities and villages, such as Augsburg, Salzburg, and Innsbruck, all within driving distance.

Together we look forward to provide you a warm welcome and the settings for an exciting conference. Sincerely we hope to receive favorable consideration from the Council.

With best regards



Prof. Walter Leitner  
Chairman  
German Catalysis Society



Prof. Johannes A. Lercher  
Chairman  
Organizing Committee 15<sup>th</sup> ICC

## Scope, Objectives and Format of the 15<sup>th</sup> ICC

### “From fundamental understanding to catalyst design and novel processes”

#### Why did we choose this theme for the conference?

Catalysis is the widely accepted single key technology, enabling the transition of chemical processes towards sustainability, which allows to make the best use of resources and to leave a minimum carbon footprint. The importance of the field cannot be emphasized any more than evident from the fact that two out of the last three years Nobel prizes in Chemistry were awarded in the field of catalysis. These awards recognized the impact of unraveling catalytic processes at solid surfaces (G. Ertl, 2007) and developing catalytic metathesis for organic synthesis (Y. Chauvin, R.H. Grubbs, and R.R. Schrock, 2005). Thus, they convincingly illustrate the important role of understanding molecular processes and of transferring this knowledge to practical applications at the interface of solid state and molecular sciences.

The last decades have seen a partly spectacular optimization of refining and petrochemical processes with respect to energy and carbon efficiency. This was achieved by combining efforts to find new and to improve existing catalysts and to rigorously apply engineering principles. For long, the impressive degree of maturity of large-scale processes has provoked questions about the presence of the grand challenges in catalysis. The arising dramatic shift in the industrial climate, however, reasserted the need for step up solutions and completely new approaches. The expected change in raw materials – coal, oil sands and biomass – urgently needs new efforts in catalysis.

At the same time, the advancement of physical insight into processes, as well as the explosive growth in the productivity in the laboratory and in computational efforts, allow to tackle challenges with completely new approaches. It has been learnt that the choice is not whether one would like to use massive rapid parallelization of experimental efforts or development through insight; rather that it is mandatory to combine both. We have also learnt that we have to look to the boundaries of the fields between heterogeneous and molecular catalysis, between organocatalysis and bio-catalysis, and to develop new approaches from these boundaries.

From the point of the societal needs, three large challenges for catalysis stand out:

- **Availability of the carbon basis.** Depleting resources of lighter and high-value crude oil require to expand drastically the basis of carbon sources. Both light alkanes including methane as well as the very heavy carbon resources such as asphaltenes (e.g., from tar sands) and coal have to be included to ensure a stable supply of carbon based energy carriers and chemicals. Renewable biogenic carbon resources will be the third indispensable pillar on which the future energy carrier supply will depend on.
- **Sustainable production of chemicals and energy carriers.** Broadening the raw materials basis eliminating potential hazards, as well as reducing the number of reaction and separation steps, will allow developing safer and environmentally compatible processes at competitive costs. New green and sustainable catalytic processes that are able to take full advantage of new reactants and engineering principles have to be found and developed. They need to be well integrated not only into the refining and petrochemical, but also into the biorefinery production chain.
- **Reducing the impact of processes on the environment.** Not only minimizing the carbon footprint and waste production, but also the reduction of harmful emissions such as  $\text{NO}_x$  and  $\text{SO}_x$  are critical factors that will determine the acceptance of future industrial processes and transportation systems. Catalysis needs to provide solutions for this aspect through advanced materials that are extremely active and selective.

## Structure of the scientific program content

In order to reflect these challenges, the program is structured in a matrix considering on the one hand the field to which catalysis is applied to and on the other, the nature of studies, from mechanistic explorations of catalyzed reactions over catalyst synthesis (including all aspects of nanotechnology) to developing and improving chemical processes. The figure below compiles these aspects illustrating the potential themes that are expected to be covered in the meeting. The structuring into the three pillars “Mechanism”, “Materials” and “Processes” will allow to bridge from very skill oriented contributions to problem oriented contributions.

In addition to this three pillar structure, the organizers are strongly convinced that the developments between disciplines of catalysis and especially between emerging disciplines require special attention. Through these interactions, cross-fertilization of new views and concepts possibly can help to find break through solutions. Interfaces between areas such as heterogeneous and organo-, as well as organometallic catalysis, interfaces between biochemistry and chemical catalysis, or the impact of material science and nanotechnology on the preparation of catalytic materials are typical cases, in which a focused dialogue could give strong stimuli to the participants.

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>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 ...)			

## Scope, Objectives and Format of the 15<sup>th</sup> ICC

### Technical format of the 15<sup>th</sup> ICC

The format and the venue of the meeting will allow for four main parallel sessions with large audiences that will reflect a worldwide view on the state of the art in catalysis. The presenters will be encouraged to indicate future directions. Six plenary and approximately 13 keynote speakers will emphasize the themes and introduce the topics to the audience, in addition to the two award lectures. While an outline of topics for a call for papers is given below, it should be emphasized that this is only an outline that will strongly depend on the response from the participants. We expect that we can accommodate approximately 250 contributed lectures (20 minutes) in these sessions.

Ample room is available to present posters. This will allow to display a large number of posters throughout the conference. Virtual poster sessions (posters available in electronic form) and ad hoc discussion groups between poster presenters (in many cases graduate students) and lecturers on a given topic will be facilitated. This is expected to lead to the intensification of the discussion and to enhanced networking. Experienced colleagues will be asked in advance to guide these discussions.

In parallel, a strand of focused one-day meetings addressing exciting interdisciplinary interfaces of catalysis will be organized. These symposia will be led by highly visible specialists that should lead through the program ranging in style from a discussion forum to a workshop. The goal is to mix scientists from the various disciplines and help especially young researchers to actively participate and to obtain new impulses. Related posters will be grouped around the location of these symposia in order to maximize the interaction.

Panel discussions are planned on the role of catalysis for balancing the needs and requirements of the chemical and the petroleum industry with environmental compatibility and to highlight and discuss the importance of catalysis beyond the confines of the specialists.

The interaction between industry and academic researchers outside these program aspects will be enhanced through an exhibition and, if desired mini symposia that can highlight marked achievements and product specialties.



## Structure of topics at 15<sup>th</sup> ICC

As stated above, each application area will be structured along the three research areas *mechanisms*, *catalytic materials* and the *experimental realization*. This will be reflected in the structure of the program:

- **Catalysis for energy applications**
  - Methane and light alkane conversion
  - Catalytic conversion of heavy carbon resources
  - Advances in refining processes
  - Hydrogen production and storage
  - Electrocatalysis and fuel cells
  - Clean fuels
  - Biofuels
  - Use of solar energy
  
- **Catalysis for chemical synthesis**
  - Green chemistry for catalytic synthesis
  - Organic reactions using catalysis
  - Enantioselective synthesis
  - Selective oxidation
  - Phase transfer and multi phase catalysis for synthesis
  - Polymerization
  - Synthesis in non-conventional media
  
- **Catalysis for environmental applications**
  - Exhaust air and water cleaning by catalytic means
  - Catalytic upgrading of waste materials
  - Catalytic reduction of mobile emissions
  - Photocatalysis
  
- **Cross-disciplinary workshops**
  - Interface between organocatalysis, organometallic chemistry and heterogeneous catalysis
  - Biocatalysis and chemical catalysis
  - Role of reactor design for catalyst performance
  - Impact of nanotechnology on catalysis
  - Pathways of industrial implementation of catalytic processes

## Satellite Conferences

Several members of catalysis societies throughout Europe have expressed their wish to organize pre- and post-congress symposia and conferences. The excellent connections from Munich into the countries of the European Community will allow facile transfer of interested participants to the planned locations. At present, we have indications from

- Italy
- Greece
- Austria
- Poland
- France

In addition, a post-congress symposium in Germany is planned to be held in the city of Berlin emphasizing the linkages between molecular and heterogeneous catalysis. The symposium is planned to be organized by the cluster of excellence “Unifying Concepts in Catalysis”.

## Scope, Objectives and Format of the 15<sup>th</sup> ICC

### Program overview

	Sunday, 1 July	Monday, 2 July				Tuesday, 3 July			
		SESSION				SESSION			
		1	2	3	4	1	2	3	4
8:30		Opening Ceremony							
9:00		PLENARY LECTURE 1				PLENARY LECTURE 2			
10:00		Coffee Break				Coffee Break			
10:20		Key-note	oral	oral	oral	oral	Key-note	oral	oral
10:40			oral	oral	oral	oral		oral	oral
11:00		oral	oral	oral	oral	oral	oral	oral	oral
11:20		oral	oral	oral	oral	oral	oral	oral	oral
11:40		oral	oral	oral	oral	oral	oral	oral	oral
12:00		Lunch Break				Lunch Break			
13:20	Registration	oral	Key-note	oral	oral	oral	oral	Key-note	oral
13:40		oral		oral	oral	oral	oral		oral
14:00		oral	oral	oral	oral	oral	oral	oral	oral
14:40		oral	oral	oral	oral	oral	oral	oral	oral
15:00		Coffee Break				Coffee Break			
15:20			oral	oral	Key-note	oral	Poster Session		
15:40		oral	oral		oral				
16:00		oral	oral	oral	oral				
16:20		oral	oral	oral	oral				
16:40		oral	oral	oral	oral				
17:00		Coffee Break				Coffee Break			
17:20		oral	oral	oral	Key-note	Key-note	oral	oral	oral
17:40		oral	oral	oral		oral	oral	oral	oral
18:00	OPENING LECTURE	oral	oral	oral	oral	oral	oral	oral	oral
18:20		oral	oral	oral	oral	oral	oral	oral	oral
18:40		oral	oral	oral	oral	oral	oral	oral	oral
19:00	Welcome Reception	Poster Party				Reception at the Deutsche Museum Munich			

The scientific program will consist of 1 opening lecture, 5 plenary lectures, 13 keynote lectures, 250 oral presentations and approx. 600 posters.

The keynote lectures and oral presentations will be organized in four parallel sessions.

Wednesday, 4 July				Thursday, 5 July				Friday, 6 July								
SESSION				SESSION				SESSION								
1	2	3	4	1	2	3	4	1	2	3	4					
												8:30				
<b>PLENARY LECTURE 3</b>				<b>PLENARY LECTURE 4</b>				<b>PLENARY LECTURE 5</b>				9:00				
Coffee Break				Coffee Break				Coffee Break				10:00				
oral	oral	oral	oral	oral	oral	Key-note	oral	oral	oral	oral	Key-note	10:20				
oral	oral	oral	oral	oral	oral		oral	oral	oral	oral		10:40				
oral	oral	oral	oral	oral	oral	oral	oral	oral	oral	oral	oral	11:00				
oral	oral	oral	oral	oral	oral	oral	oral	oral	oral	oral	oral	11:20				
oral	oral	oral	oral	oral	oral	oral	oral	oral	oral	oral	oral	11:40				
Lunch Break				Lunch Break				Lunch Break				12:00				
<b>Excursion</b>				oral	oral	oral	Key-note	Key-note	oral	oral	oral		13:20			
				oral	oral	oral			oral	oral	oral		13:40			
				oral	oral	oral	oral	oral	oral	oral	oral	oral		14:00		
				oral	oral	oral	oral	oral	oral	oral	oral	oral		14:40		
				Coffee Break				Coffee Break								15:00
				<b>Panel Discussion</b>				oral	Key-note	oral	oral	oral	oral		15:20	
								oral		oral	oral	oral		15:40		
								oral	oral	oral	oral	oral		16:00		
								oral	oral	oral	oral	oral		16:20		
								oral	oral	oral	oral	oral		16:40		
				Coffee Break								<b>Closing Ceremony</b>				17:00
				oral	Key-note	oral	oral									17:20
				oral		oral	oral									17:40
				oral	oral	oral	oral									18:00
oral	oral	oral	oral									18:20				
oral	oral	oral	oral									18:40				
<b>Bavarian Dinner &amp; Students Party</b>																

## Catalysis in Germany

Germany has a long standing tradition in catalysis research and industrial applications, both in heterogeneous and homogeneous catalysis, going back to the founding fathers. Wilhelm Ostwald was one of the pioneers of catalysis who laid the foundation of this discipline at the onset of the last century, and his name is remembered in the Ostwald-process for nitric acid production. Other German catalysis researchers, who gave their names to major industrial processes, are Fritz Haber and Carl Bosch for the Haber-Bosch process, Franz Fischer and Hans Tropsch (Fischer-Tropsch process), or Karl Ziegler (Ziegler-Natta catalysis), to name just a few. Also, the Wacker-process emerged in Germany and was named after the Wacker-company, where the process was developed. Moreover, hydroformylation, as one of the big homogeneously catalyzed industrial reactions, was developed in Germany by Otto Roelen. These major scientific and technical developments are also reflected in a number of catalysis related Nobel prizes which went to German researchers, i.e. Ostwald, Haber, Bosch, and only last year to Gerhard Ertl.

The German community continues today to be as active and strong as it was in the past. The German Catalysis Society, coordinated by DECHEMA, has more than 850 members. It organizes a yearly meeting which attracts regularly close to 500 scientists from Germany, but also the neighboring countries, and which features more than 200 contributions. Catalysis research in the universities is strong, with catalysis groups present in almost any German research university. The groups active in homogeneous catalysis are mostly located in the organic chemistry institutes, whereas the groups active in heterogeneous catalysis are typically in physical chemistry, industrial chemistry, or chemical engineering. There are also three major non-university research institutes devoted exclusively or to a major extent to catalysis, the Max-Planck-Institute für Kohlenforschung at Mülheim, the Fritz-Haber-Institute of the Max-Planck-Society, and the LIKAT (Leibniz Ins-

titute for Catalysis) which was formed by combining the activities of the former ACA, Berlin with a focus on heterogeneous catalysis and the IfOK, Rostock with a focus on homogeneous catalysis. In addition, many non-university research institutes have smaller scale activities in the field of catalysis.

Since Germany is one of the world centers of the chemical industry, with companies such as BASF, Bayer, Evonik (the former Degussa) and others, it is clear that catalysis also plays a major role in industrial chemistry in Germany. BASF is, after the Engelhardt acquisition, the biggest catalysis company in the world, but with Süd-Chemie and major activities of Umicore in Germany, also two other big players have a strong footing in Germany. In addition, also start-up companies which are active in the field of catalysis are emerging, such as hte AG or c-LEcta. Catalysis thus contributes substantially to the German GNP, either directly via catalyst and process sales, or indirectly through the products produced by catalytic processes. Not only is Germany a strong basis for catalyst manufacturers, also engineering companies who are contracted for the engineering of whole plants comprising catalytic technology are located in Germany, such as Lurgi, Uhde or Linde who are providing turn-key solutions worldwide.

The German catalysis community is also very experienced in the organization of national and international conferences. Germany has hosted already one ICC in 1984 in Berlin, and also the Europacat VI at Innsbruck – although in Austria – was organized by the DECHEMA. There is also a closely related and very active zeolite community in Germany, who has hosted the 10th International Zeolite Conference in 1994 in Garmisch-Partenkirchen. Last but certainly not least, DECHEMA as the mother organization of the German Catalysis Society, organizes the AICHEM every three years, the largest exhibition on chemical apparatus, plant design and laboratory equipment in the world.

## DECHEMA – the Conference Organizer

The DECHEMA – Society for Chemical Engineering and Biotechnology e.V. is a not-for-profit scientific and technical society based in Frankfurt am Main/Germany. Founded in 1926, it has more than 5500 personal and institutional members from science and industry. The mission of DECHEMA is to enable the exchange of information among scientists and engineers and to promote and shape technological progress in the areas of chemical engineering, biotechnology and environmental protection at a national and international level. Co-ordination and support of DECHEMA's activities is carried out by its employees about 200 in number.

### Catalysis activities

DECHEMA hosts the working party on “Catalysis” since 50 years and has established the German Catalysis Society in 1993 with more than 850 members by now. Furthermore DECHEMA coordinates European catalysis networks (Network of Industrial Catalysis – NICE) as well as national catalysis networks (Competence Network Catalysis – ConNeCat).

DECHEMA organizes the yearly meeting of the German Catalysis Society with around 500 participants. Furthermore DECHEMA organized several international catalysis conferences, e.g the 8th International Catalysis Congress (1984), the World Congress on Selective Oxidation Catalysis (2001), the EuropaCat VI (2003) and the International Conference on Environmental Catalysis (2005).

### International cooperation

Scientific progress takes place on a global scale. Since the very beginning cooperation with both national and international scientific societies has been one of DECHEMA's guiding principles. The European Federations of Chemical Engineering (EFCE), Corrosion (EFC) and Biotechnology (EFB) serve as a basis for interdisciplinary cooperation in process engineering in Europe. DECHEMA played an important role in founding these federations and holds the General Secretariat of the EFC and the EFCE.

### Conference and exhibition organizer

DECHEMA is a highly qualified conference organizer hosting more than 40 national and international conferences every year. Any kind and size of events – DECHEMA organizes workshops with 50 participants up to international world congresses with several thousand participants.

Some selected conferences organized by DECHEMA in recent years:

- World Congress on Biotechnology, Berlin 2000
- European Congress on Chemical Engineering, Nuremberg 2001
- Annual Meeting of the International Society of Electrochemistry, Düsseldorf 2002
- International Conference on Nanostructured Materials, Wiesbaden 2004
- International Conference on Systems Biology, Heidelberg 2004
- International Congress on Ionic Liquids, Salzburg 2005
- International Conference on Microreaction Technology, Potsdam 2006
- European Corrosion Congress, Freiburg 2007

The AICHEMA exhibition congress is the world's largest chemical engineering event with more than 4000 exhibitors and more than 180,000 visitors organized by DECHEMA. AICHEMA is held at three-year intervals.

## Committees

The scientific program of the ICC 2012 will be organized by the German Catalysis Society. The conference will be held in collaboration with EFCATS (the European Federation of Catalysis Societies) and with support of the Network of Excellence IDECAT (Integrated Design of Catalytic Nanomaterials for a Sustainable Production).

### Honorary Chairman

**Prof. Gerhard Ertl** FHI Berlin

### Chairman

**Prof. Johannes A. Lercher** TU Munich

### Organizing Committee

<b>Dr. Peter Albers</b>	AQura GmbH, Hanau
<b>Prof. Jean-Marie Basset</b>	CPE Lyon
<b>Prof. Matthias Beller</b>	Leibniz Institute for Catalysis, Rostock
<b>Prof. Gabriele Centi</b>	Università di Messina
<b>Dr. Richard Fischer</b>	Süd-Chemie AG, Bruckmühl
<b>Prof. Hans-Joachim Freund</b>	FHI Berlin
<b>Prof. Wolfgang A. Herrmann</b>	TU Munich
<b>Prof. Udo Kragl</b>	University of Rostock
<b>Prof. Walter Leitner</b>	RWTH Aachen
<b>Prof. Martin Muhler</b>	University of Bochum
<b>Prof. Joachim Sauer</b>	Humboldt University of Berlin
<b>Prof. Robert Schlögl</b>	FHI Berlin
<b>Prof. Ferdi Schüth</b>	MPI Mülheim

### International Advisory Board

IACS Council

### National Program Committee

Members of the German Catalysis Society

The International Advisory Board and the National Program Committee will review the submitted papers and advice on all program contents. On this basis the Organizing Committee will arrange the program.

## Financial aspects

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The budget has been calculated on the basis of 1500 participants including 300 students and 200 invited participants and by considering financial contributions from industry.

The registration fee of 490 Euro (early) and 590 Euro (regular) and 150 Euro (students) will cover the participation at the scientific sessions, the poster presenta-

tion, the exhibition, the book of abstracts as CD, the get-together and the coffee breaks.

10% of the registration fee will be set aside as contribution to IACS.

The participation of students will be encouraged by offering a significant amount of student travel grants.

### BASIS

Participants	1500 persons	
Registration fees	Early Registration	490 Euro
	Regular Ticket	590 Euro
	Students	150 Euro

### INCOME

in Euro

Registration fees	early registration (700 x 490 Euro)	343.000
	regular registration (300 x 590 Euro)	177.000
	Students (300 x 150 Euro)	45.000
		<b>565.000</b>
Exhibition		30.000
Industrial support		80.000
	<b>Total</b>	<b>675.000</b>

### EXPENSES

Rental of the venue	conference center technical equipment technical personal	252.000
Printed matters	call for papers program abstracts on CD or memory stick mailing costs bags	80.000
Social program	coffee breaks get-together poster session dinner subvention	147.000
Travel costs	Invited speakers staff	35.000
Miscellaneous	badges freight bank charges	12.000
IACS contribution	10% of registration fee	56.500
	<b>Total</b>	<b>582.500</b>
	<b>+ yearly increase of 3%</b>	<b>675.000</b>

## Congress site

INTERNATIONALES  
CONGRESS CENTER  
MÜNCHEN



### Congress site

The conference is planned to be held at the ICM – International Congress Centre Munich, one of the most modern congress centres in the world offering the flexibility from large audiences to small meeting rooms.

The ICM is directly linked with the buildings of the New Munich Trade Fair Centre. An inviting, friendly atmosphere and state-of-the-art technology provide ideal conditions for the ICC 2012. With seating for up to 7,000 people, approx. 8,000 sqm of exhibition space and rooms for 20 to 3,000 people, the ICM is designed for flexible use.

The main entrance area and meeting place is the light, airy foyer with 4,500 sqm of space, extending over two floors. An ultramodern airconditioning system ensures that the building has a pleasant, healthy indoor climate regardless of the weather.



## Conference

Every room is easy to reach from the foyer. The ICM has a comprehensive guidance system to facilitate orientation. All the rooms have first-class amenities: from the seats, lighting and acoustics, to the humidity and room temperature. Special importance was attributed to room flexibility. With modern, soundproof partition walls up to the ceiling and different kinds of seating, the rooms can be changed to meet individual requirements within a very short time. The ICM has all the modern technology of an efficient congress centre, for example, variable stages, mobile screens for multiple projections, travelling light bridges, ultramodern data and video projection systems, digital mixers, separate control rooms and interpreting booths.

## Exhibition

The ICM offers exhibition areas in the foyer, on the 1<sup>st</sup> floor and in the ground-floor exhibition hall B0. Spacious loading/unloading zones with direct access to the individual areas of the ICM facilitate assembly and dismantling as large, heavy exhibits or equipment can be delivered easily.

## Catering

Different kinds of catering to meet the guest's individual requirements can be offered. In addition to three permanent catering areas in the foyer – ICM Bistro, ICM Bar and ICM Café – guests can go to the trade fair restaurant “Am See” (with direct access from the foyer). Catering of all kinds – from a coffee break to a seven-course dinner – can be arranged in the various rooms and lobbies.



## Congress site

### Overview of rooms / area according to maximum capacity

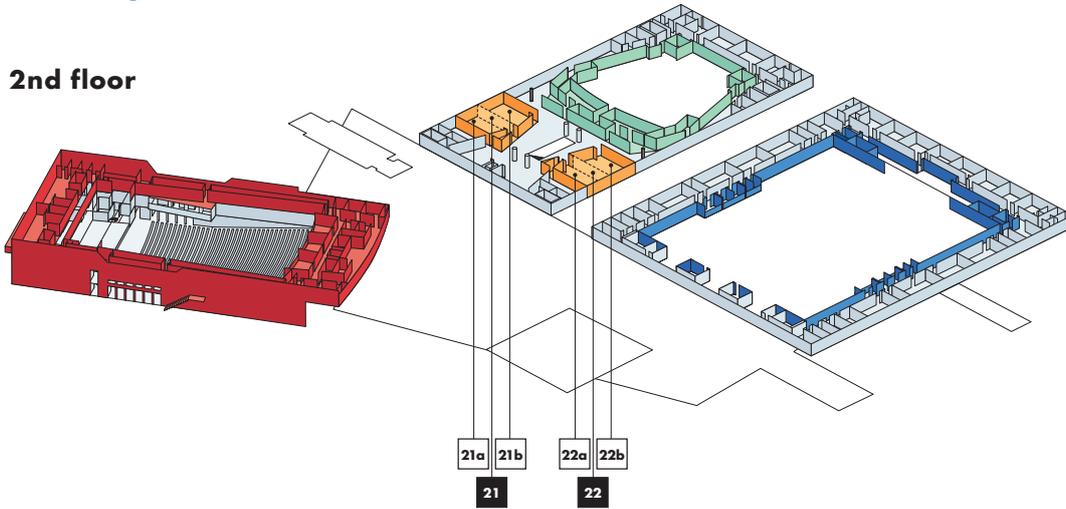
Maximum capacity	Room /Area	Square meter	Square feet	Theater	Class-room	Banquet
Up to 6,000	Hall C1*	10.000	107.600	6.000	on request	on request
Up to 3,000	Room 14	2.730	29.375	3.032	1.464	1.500
Up to 1,500	Room 14b (large version)	1.565	16.839	1.578	784	790
	Room 01	1.300	13.988	1.430	746	-
	Room 14b (small version)	1.120	12.051	1.032	558	522
Up to 900	Room 13	795	8.554	905	402	428
Up to 450	Room 14a	450	4.842	473	220	240
	Room 14c	450	4.842	473	220	240
	Room 13a	385	4.143	437	208	176
	Room 13b	385	4.143	437	208	176
	Room 05	390	4.196	413	208	196
Up to 200	Room 04	200	2.152	206	96	112
	Room 02	135	1.453	125	68	72
	Room 03	135	1.453	125	68	72
	Room 11	130	1.399	125	68	72
	Room 12	130	1.399	125	68	72
	Room 21	130	1.399	125	68	72
	Room 22	130	1.399	125	68	72
Under 100	Room 04a	85	915	91	40	48
	Room 04b	85	915	91	40	48
	Room 11a	60	646	60	30	40
	Room 11b	60	646	60	30	40
	Room 12a	60	646	60	30	40
	Room 12b	60	646	60	30	40
	Room 21a	60	646	60	30	40
	Room 21b	60	646	60	30	40
	Room 22a	60	646	60	30	40
	Room 22b	60	646	60	30	40
<b>Total:</b>		<b>16.205</b>	<b>174.366</b>	<b>12.736</b>	<b>3.324</b>	<b>2.668</b>
Areas**	Foyer 1st Floor	1.500	16.140 3,90			
	Foyer Ground Floor (dividable)	3.000	32.280			
	Hall B0	3.500	37.660			
<b>Total:</b>		<b>8.000</b>	<b>86.080</b>			
<b>Grand total:</b>		<b>24.205</b>	<b>260.446</b>	<b>12.736</b>	<b>3.324</b>	<b>2.668</b>

\* Directly linked to the ICM

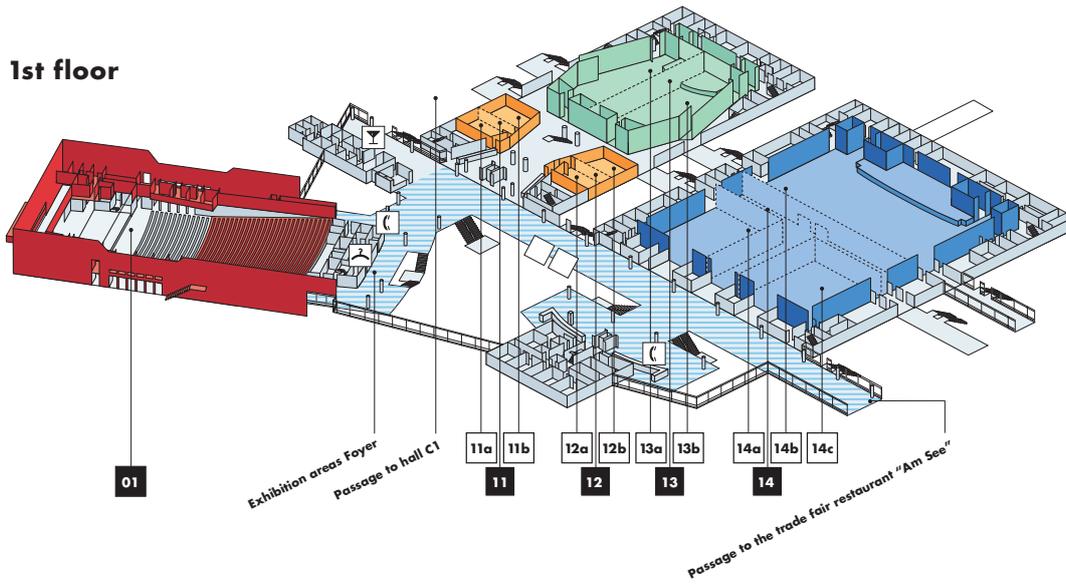
\*\* Sizes indicated in m<sup>2</sup> are approximations and reflect the maximum amount of usable exhibition space. Space for pedestrian traffic must also be taken into account.

## ICM at a glance

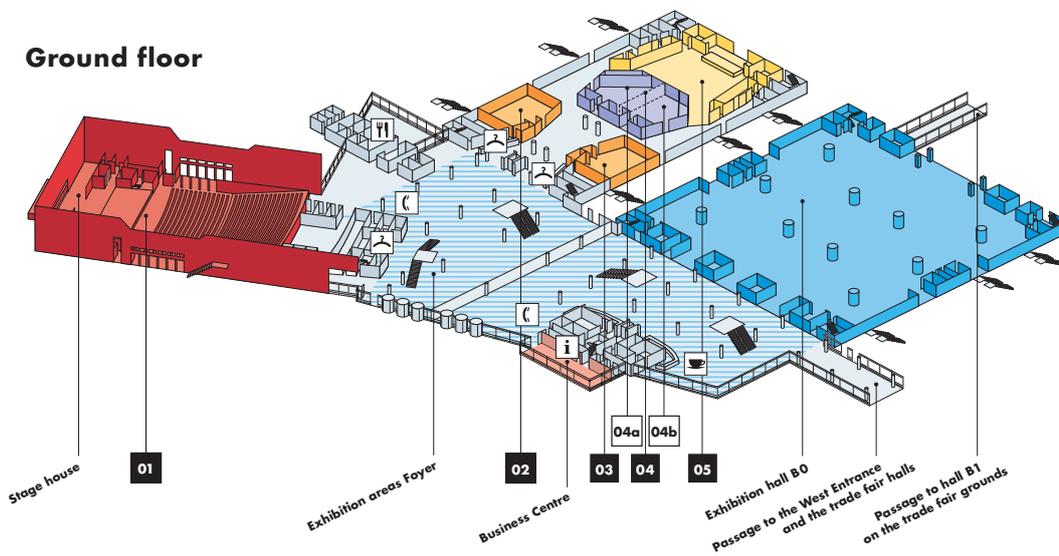
### 2nd floor



### 1st floor



### Ground floor



## Munich – the Conference Venue

### City and Surrounding Area

Munich, the capital city of Bavaria in Southern Germany, is situated 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 15th ICC.

Munich combines the splendor of an old royal seat with the vitality of a modern high-tech location. Visitors are quickly captivated by the flair of the city which is experienced downtown, during a tour of the spectacular museums and collections, castles and churches or while strolling through the vast parks. Munich recommends itself as first-rate conference site.

The climate of Munich city can be classified as the modified continental type of climate. Munich city experiences rather cold winters, summers in Munich city are fairly warm. The climate of Munich city is strongly influenced by its proximity to the Alps Mountain. An Alpine wind, known as Föhn, sometimes brings warm, dry conditions in all seasons.

Munich was founded as customs station for salt trade by the Guelphian Duke Henry the Lion in 1158 and was given the status of a town in 1214. In 1255 Munich became the seat of the Wittelsbach dynasty. In 1632 it was occupied by Gustavus Adolphus of Sweden in the Thirty Years' War. Under King Ludwig I (1786 – 1868) famous buildings were erected: the Glyptothek, the Old Pinakothek, the Royal Residence, the Feldherrnhalle and the Siegestor (Triumphal Arch). Thus turning Munich into a major cultural centre in Europe.

The metropolis on the Isar River combines rich Bavarian tradition and broadminded openness toward the world, deep-rooted customs and dynamic innovation, sovereign composure and pulsating energy.



Munich is an architectural synthesis of the arts encompassing impressive examples of building arts during various epochs of style – from the Gothic period through Renaissance to Art Nouveau and Art Deco. Modern accents are set by the glass and steel constructions of contemporary architecture such as the Olympic tent roof, the Allianz Arena – the new soccer stadium - and the high-rises of corporate headquarters.

You will be overwhelmed by the opulent offerings of all galleries, museums and collections. Unique masterpieces can be admired at the Old, New and Modern Pinakothek art galleries.

More than 5,000 restaurants from traditional Bavarian cooking to haute cuisine ensure culinary delight. Have a look at the Schrammehalle – an open marketplace in the immediate vicinity of the Viktualienmarkt. That is Munich's oldest food market since 1807 – originally a farmer's market, is now a favorite shopping spot for gourmets with a wide range of products from around the world.

The “Fünf Höfe” (five courtyards), located within an ancient hollowed-out building, consist of a shopping and leisure complex with shops, restaurants and cafés as well as the exhibition rooms of the Hypo-Kulturstiftung.

Shopping enthusiasts from near and far encounter almost unlimited possibilities during their sprees: Haute couture designs, folkloric clothing, arts and crafts, and culinary specialities – a true paradise.

The world's largest city park is simply called a “garden”: the English Garden, a leisure time oasis featuring splendid trees and lush meadows, meandering brooks, monuments and pavillions with the famous Chinese Tower rising above the park – surrounded by a beer garden which can seat 7,000. Within this 900-acre park you will find three other beer gardens – Seehaus, Hirschau and Aumeister. Enjoy there that unique Bavarian feeling we call “Gemütlichkeit”.

**Welcome to one of the most beautiful congress cities in the world.**

**Welcome to Munich!**

#### MUNICH IN BRIEF:

- 46 museums and collections (Deutsches Museum; Alte, Neue Pinakothek and Pinakothek of the Modern Art; Nymphenburg Castle, Royal Residence)
- around 58 theatres (Bavarian State Opera, Cuvilliés Theatre – a gem of Rococo design etc.)
- more than 5,000 restaurants from international gourmet temples to the world-famous beer cellars
- more than 8,000 shops – international fashion houses, boutiques, department stores, shopping malls

- the „fairytale castles“ of King Ludwig II for day tours (Neuschwanstein, Linderhof, Herrenchiemsee)
- churches and castles of art-historical eminence (Ettal Monastery, Wieskirche Church – „our sacral Rococo gem“)
- idyllic mountain resorts and numerous natural treasures are at Munich's doorstep! (Oberammergau, Garmisch-Partenkirchen and Zugspitze – Germany's highest mountain)

**The ambiance of the Bavarian capital, the hospitality and warmth of its citizens and the city's unique atmosphere will contribute to the success of the 15<sup>th</sup> ICC.**

## Munich – the Conference Venue

### Accommodation

Munich offers about 355 hotels and pensions with about 45.500 hotel beds in all categories.

The **Munich Fair Hotels**, a network of hotels nearby the ICM cooperating with each other upon bookings of major room allocations, will facilitate the booking of higher quantities of hotel rooms during the conference.

### Proposed congress hotels

Name of the hotel	No. in the map	No. of rooms	Distance to ICM
Novotel München Messe	1	278	0,1 km
Express by Holiday Inn	2	120	2 km
FERINGAPARK Hotels	3	168	10 km
Hotel Ibis München Messe	4	100	2 km
Holiday Inn Munich	5	149	5,5 km
Hotel Prinzregent an der Messe	6	91	1 km
INN SIDE Premium Hotels	7	134	1 km
NH München Neue Messe	8	409	5 km
NH München-Dornach	9	438	0,8 km
Park Inn München-Ost	10	167	6 km
RÄTER PARK HOTEL	11	263	3 km
<b>TOTAL</b>		<b>2317</b>	



## How to Get to Munich and to the Conference Site

Munich is situated in the heart of Europe. Owing to its ultramodern award-winning airport the city is easily reachable, from all over the world. When approaching by plane travelers are mesmerized by spectacular views of mountains, lakes and the Bavarian metropolis. The sound European railroad system and an excellent network of highways ensure quick access to Munich.

Here the perfect infrastructure is continued: An efficient public transport system gets people around swiftly.

### BY AIR

Munich International Airport offers flight connections to more than 68 countries worldwide. Germany's second-biggest airport guarantees excellent continental and intercontinental air connections and is located 22 miles north east of the City of Munich. Needing just 40 minutes it is only a very short connecting time away from the city centre. The ICM can be reached by shuttle bus, public transport or taxi.

Scheduled or charter services to and from Munich are provided by 108 airlines serving 22 domestic destinations and 224 foreign destinations in 71 countries.

#### Destination and countries with regular services

● Domestic		22 destinations
● Europe (EU)	23 countries	102 destinations
● Europe (non-EU)	13 countries	46 destinations
● Africa	10 countries	20 destinations
● Asia	17 countries	27 destinations
● Americas	8 countries	29 destinations

### BY TRAIN

High-speed train service to all major cities and many European capitals provides comfortable travel to and from Munich. By train the delegates will arrive at the Munich Central Train Station, one of the largest terminal stations in Europe. More than 750 trains link the Bavarian metropolis daily with all of Germany and Europe.

**In addition, there is an extensive network of regional trains and subways that covers the entire metropolitan area.**

### S-Bahn and U-Bahn (urban rail and underground)

The network of the urban and regional rail, which is concentrated within the city district, is the core of Munich's local public transport. 8 underground lines, 10 urban rail lines and 9 stages of regional trains integrated into the MVV tariff ensure quick and direct connections in the Munich region, regardless of city traffic.

### Tram Lines

10 tram lines ensure quick connections above ground. Additionally, 4 tram lines operate as so-called night-lines.

### City Busses

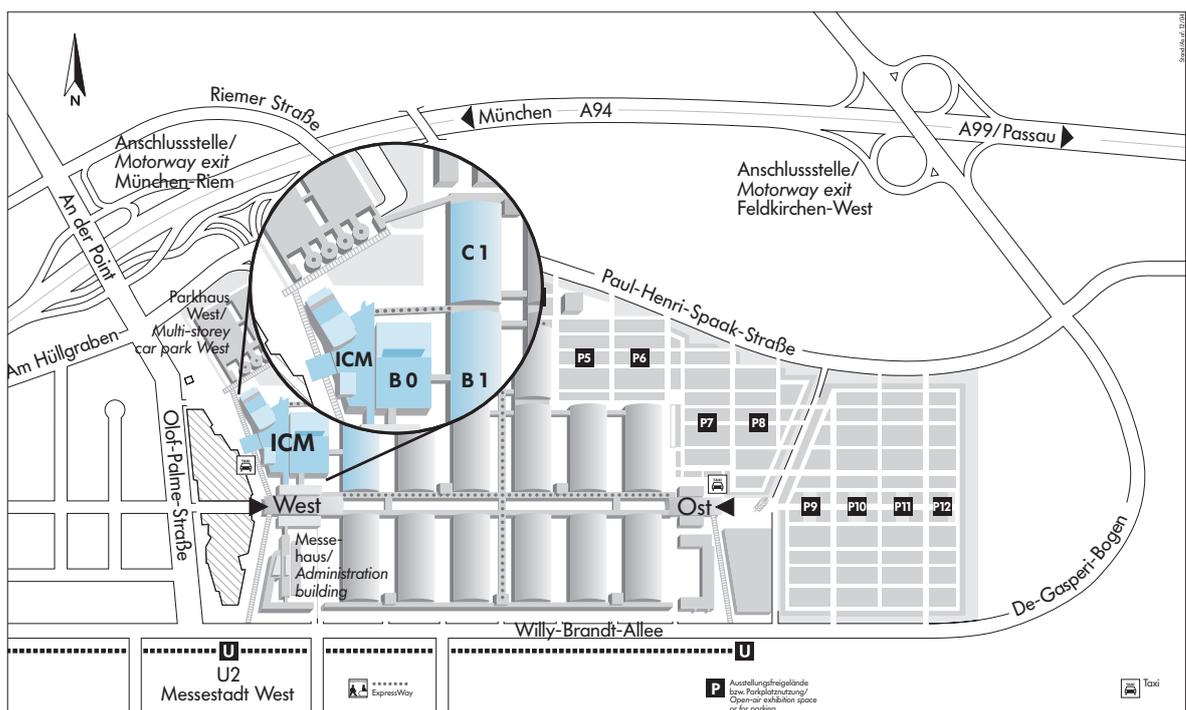
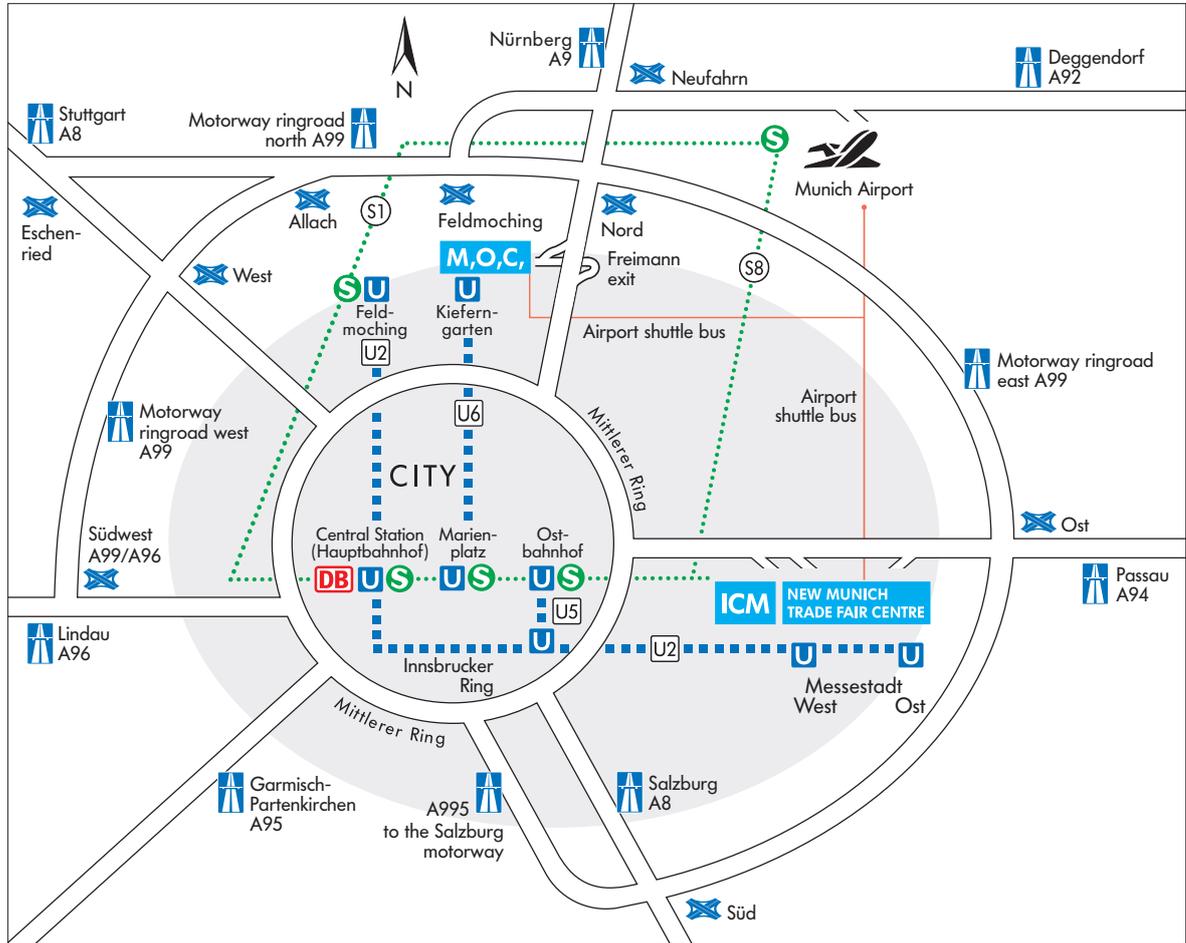
The city busses operate mainly within the city district of Munich. At that moment there are approximately 70 city bus lines.

### BY CAR

By car you have seven highways from all directions that go to the city. A sufficient number of taxis is available directly in front of the terminals. Taking one of Munich's 3,500 taxis is a comfortable way to travel from the airport to town.

# Munich – the Conference Venue

## ICM area map





## Public transport



## Social and Excursion Program



### Social program

#### Sunday, July 1st

- Welcome reception at the congress site

#### Monday, July 2nd

- Poster party

#### Tuesday, July 3rd

- Reception at the Deutsche Museum Munich

The Deutsches Museum is the largest museum of technology and natural sciences in the world, has over 13 acres of exhibitions. The museum contains invaluable original machines and equipment, models and reconstructions from classical mechanics to telecommunications to space travel technology and also views a fullsize reconstructed coal mine.

#### Wednesday, July 4th

- Excursions (see below)

#### Thursday, July 5th

- Students party at a beer garden
- Bavarian dinner

A typical dinner in Munich will be a bavarian evening. In one of Munich's famous and large beer halls participants will enjoy self-brewed beer and local specialties together with bavarian entertainment in an informal party atmosphere.

It will be great fun to watch bavarian folk dancers and listen to the "goaßlschnalzer" (performance with lashes). This dinner will be an unforgettable evening for the delegates.

#### Friday, July 6th

- Closing ceremony

## Excursions and program for accompanying persons

### Glentleiten Open Air Museum

The museum is situated in the charming landscape of the foothills of the Alps.

You are invited to a varied walk through the extensive museum grounds, with its woods, pasturage and historical gardens. Some 60 buildings – farms, mills, Alpine buildings, workshops and much more – have been reconstructed here. Complete with their entire furnishings, they convey a living picture of Upper Bavaria's past and how it has been influenced by the farming community.

### Neuschwanstein Castle

Neuschwanstein is one of the most popular of all the palaces and castles in Europe. Located on a mountain top in Germany, in southwest Bavaria, the palace was built by Ludwig II of Bavaria as a retreat and as homage to Richard Wagner, the King's inspiring muse. Ludwig did not allow visitors to his castles, but since its opening in 1886, over 50 million people have visited the Neuschwanstein Castle. About 1.3 million people visit annually, with up to 6,000 per day in the summer. The setting of Neuschwanstein could not be more idyllic. The palace has appeared in movies several times, and was the inspiration for the Cinderella and the Sleeping Beauty fairytale castles in several establishments of Disneyland.



### Alte und Neue Pinakothek, Pinakothek der Moderne

The Alte Pinakothek houses one of the world's most important collections. On display are more than 800 paintings, among them numerous well-known masterpieces of 14th to 18th Century European painting.

The Neue Pinakothek offers an overview of European art from classicism to art nouveau. It is one of the most important museum of art of the nineteenth century in the world.

With four major museums presenting art, works on paper, architecture and design under one roof, the Pinakothek der Moderne is one of the world's greatest collections of 20th and 21st century art.

### Nymphenburg Palace

The castle is located just outside Munich's downtown area, approx. 5 km from the city centre. The baroque palace in the west part of Munich was the summer residence of the Bavarian monarchs. Five generations of Wittelsbach rulers were involved in the construction of this stately ensemble, which houses several outstanding collections. With its lavishly decorated interior and the famous „Gallery of Beauties“ commissioned by Ludwig I, the palace is one of Munich's favorite attractions. Among the highlights are the former bedroom of King Ludwig II and the impressive banquet hall with fine ceiling frescoes by Johann Baptist Zimmermann. While you're there, be sure not to miss the Marstall-museum and the Porcelain Museum, the Museum Mensch und Natur and the Botanical Garden.

### Munich City walk

An informative and entertaining walk through the heart of Munich's beautiful old town. Along the way you will take a look into the city's colourful 850 year history, stopping at various sights which over the years have witnessed events creating not just local, but also worldwide interest. The experienced guides will give you all kinds of interesting and entertaining information about the places and buildings you pass on your way. Away from the main streets, you will get to know Munich in such a way, that even many residents of the city don't know it.

## Social and Excursion Program

### Post congress tours

#### Salzburg

**Its incomparable historic architecture and picturesque landscape makes Salzburg, Mozart's birthplace and home of the Festival „one of the most beautiful places in the world,“ as once proclaimed by the renowned traveler, Alexander von Humboldt.**

Many famous excursion destinations are located in the city's vicinity and not too distant environs that can be easily accessed.

An excursion downstream is the latest trend! The historic ship service on the Salzach was resumed after more than 110 years; visitors can board a panorama boat, specially designed for the Salzach River, in the city center and cruise approx. 8 km south, presenting the beauty of Mozart's city from a completely new perspective. At the southernmost landing, visitors have the opportunity to take a shuttle bus to see the world-famous Hellbrunn Palace with its trick fountains.

Salzburg's Open Air Museum, nestled at the foot of the Untersberg near the charming town of Grossgmain, is easy to reach from Salzburg. 60 original farmhouses from the Province of Salzburg from 5 centuries, farmhouses with quaint gardens, craftsmen's cottages,

breweries, mills and ancient farming equipment provide insight into the rural life of the past.

The salt mines on the Dürrnberg near Hallein, just south of Salzburg, are the oldest salt mines in the world. Salt was extracted from these mines by the Celts over 5000 years ago. The salt („Salz“) gave the city of Salzburg and the Salzach River their names. Today the salt mines on the Dürrnberg are a major tourist attraction.

The biggest ice caverns in the world, the „Eisriesenwelt,“ are also located near Werfen. A 75-minute tour through the mighty caves in the Eisriesenwelt shows astounded visitors one of the biggest ice formations on the globe, the „Ice Palace,“ the „Castle of the Ice Giants,“ the „Veil of the Ice Queen,“ and countless others.

From the world's biggest ice caves to one of the world's technological wonders: the Glockner-Kaprun reservoir and the Tauern Power Station are located in the gigantic Tauern Mountains ( 8 km from Zell am See). The breathtaking combination of nature and technology found in the wondrous world of electricity and ice as well as guided tours through the concrete dam make this excursion an unforgettable experience!



### Garmisch-Partenkirchen

**Art, culture and tradition are as much a part of Garmisch-Partenkirchen as its towering master, Mount Zugspitze.**

At first glance, one may not notice just how many layers form the unique character of Garmisch-Partenkirchen, the alpine village at the foot of the Zugspitze, Germany's highest mountain.

Experience the cultural life of Garmisch-Partenkirchen through the simple pleasures of taking a walk through the streets and alleys of the town historically fused together by two alpine villages. The age-old tradition of mural fresco painting on many building façades adorn the streets, making each step a unique experience. Stories unfold one by one, telling tales of yore and impressing local color on the observant observer. Even without a guidebook, every visitor can imagine what the „Bräustuberl“ in Garmisch is and has been since 1933. The façade of the venerable building has shown strong and hearty mountain farmers and other local characters drinking the unmistakable golden brew for over half a century. Heinrich Bickel, Garmisch-Partenkirchen's most famous fresco painter, depicted the well-known brewery tableau along with numerous other murals. In any case, mural painting was consi-

dered a sign of wealth and prosperity in former times. For that reason it is no wonder that one masterfully painted façade after the other decorate the historic Ludwigstraße – the street was originally an important commerce route.

Several points of special interest should encourage every visitor to stop and linger a while. Consider the Werdenfelser Heimat Museum, home to the treasures of local history, art, traditions and craftsmanship. Located in the picture-perfect Ludwigstrasse, it is the only building that survived the Great Fire of 1865 - an enormous feat for an edifice that originated from the days when Italian trade flourished in the 15th century. The oldest structure in Garmisch is aptly named the Old Church. Begun in 1280, the building was finally completed in the 14th century. A whole series of clerical pearls sit prettily and wait for a visit, among them the likes of St. Anthony's pilgrimage church, St. Martin's church in Garmisch and the petite Sebastian's Church in the heart of Partenkirchen. Secular jewels delight as well: consider the Royal House on Schachen Mountain. Perched high above and overlooking the valley, the well-preserved construction once served "Mad" King Ludwig II as a refuge and sovereign starting point for mountain excursions.



## Social and Excursion Program

### Nuremberg

**A Metropolis with a high quality of life. Nuremberg offers visitors all sorts of wonderful surprises. Nuremberg is a cosmopolitan modern city with half a million residents. Nuremberg is the main city of the European metropolitan region Franken and is Bavaria's second economic centre.**

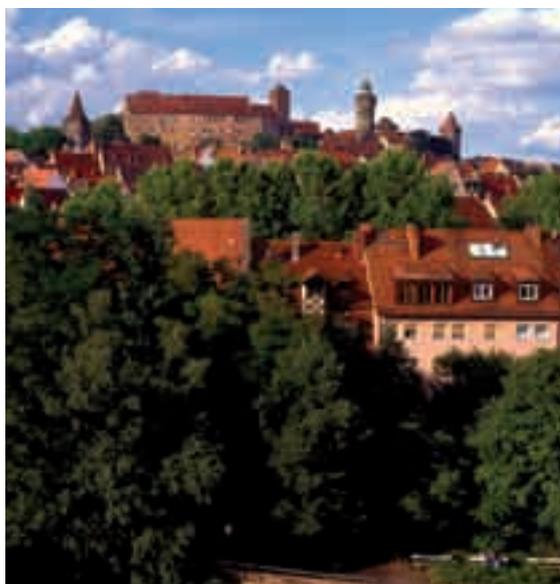
Much of Nuremberg's history can be seen and experienced, unlike many other comparable cities and towns in Germany. A visit to Nuremberg is like a journey into two different worlds that are delightfully intertwined.

A rendezvous with Nuremberg's history; Architecture, museums, art treasures all combined with a passionate flair that keeps and brings the past to life. In no other German metropolis you can find so many traces of medieval, (from the 16th century!) modern art and culture.

The imperial castle is a visual testimony to the city's historic past that can be seen from afar. The observer can relive the golden age from the 14th to 16th centuries in the buildings and artwork of the former free imperial city of Nuremberg.

The five kilometres long city wall, built in the 14th and 15th centuries is evidence of Nuremberg's importance and provides, even today an impressive setting for the Old Town. The artistic impact of Albrecht Dürer, Veit Stoß, Peter Vischer and many other artists together with the patronage of wealthy patrician families still characterize present day Nuremberg.

Nuremberg is very much a Feel-Good city with an enviable quality of life. The live and let live tolerance typifies how the half a million Nuremberg citizens interact with each other and visitors to the city. The picturesque and fascinating Old Town is easily managed on foot, with neighbourhoods filled with tradition and character. The city has an abundance of cultural highlights for children and adults, sport and leisure activities, unmatched musical events, festivals and lively markets and last but by no means least the irresistible gastronomic offerings. All this combined with attractive and enviable living and working opportunities make Nuremberg a charming and delightful city for both its residents and visitors.





Technische Universität München · Arcisstraße 21 · 80333 München

TECHNISCHE  
UNIVERSITÄT  
MÜNCHEN

Präsident

Prof. Dr. Dr. h.c.mult.  
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## Letter of Support

Munich, 14<sup>th</sup> February 2008

### To the International Association of Catalysis Societies (IACS)

Dear Council Members,

The Technische Universität Munich strongly supports the candidacy bid of Germany to host the 15<sup>th</sup> International Congress on Catalysis in 2012.

Catalysis is a uniquely enabling technology that will guide the transition from a largely empiric development of chemical processes to a stable, sustainable chemistry, making the best use of resources and leaving a minimum carbon footprint.

Organizing the conference in Germany would be an excellent opportunity for the high profile German catalysis community to host their colleagues and to help setting new goals for this dynamically evolving field. Munich, located in the Center of Europe is particularly well suited as site of the conference. In fact, Munich is not only easily accessible and offers a pleasant surrounding environment, but also houses high profile researchers in this field and an efficient network industry-university.

We hope that this bid will be received favourably and look forward to receiving this highly reputable conference in Munich.

With my best regards

Wolfgang A. Herrmann  
President

## Letters of Support



Eidgenössische Technische Hochschule Zürich  
Swiss Federal Institute of Technology Zurich

ETH Zurich  
Prof. Roel Prins  
Institute for Chemical and Bioengineering  
HCI E123  
Wolfgang-Pauli-Strasse 10  
8093 Zurich, Switzerland

Tel.: +41-44-632 54 90  
Fax: +41-44-632 11 62  
E-mail: prins@chem.ethz.ch

Zurich, February 28, 2008

To the International Association of Catalysis Societies (IACS)

Dear Council members,

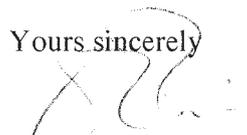
The European Federation of Catalysis Societies (EFCATS) supports the candidacy of Germany to host the 15<sup>th</sup> International Congress on Catalysis in 2012.

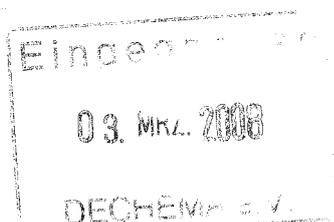
Catalysis is of wide importance to secure the environmentally compatible synthesis of chemicals, materials and energy carriers and EFCATS therefore fosters the development of catalysis and catalytic processes.

The organization of the 15<sup>th</sup> International Congress on Catalysis in Germany would be an excellent opportunity for the high profile German catalysis community to host their colleagues and to set new goals for our dynamically evolving field. Munich is located in the center of Europe and is well suited as a site for conferences, because it is easily accessible by airplane and train and has a pleasant environment. Furthermore, the two universities of Munich and the local chemical industry have a strong involvement in catalysis.

We hope that this bid will be received favorably and look forward to supporting the organization of the 15<sup>th</sup> International Congress on Catalysis in Munich.

Yours sincerely

  
Roel Prins  
President EFCATS





EU-Funded Network of Excellence on Catalysis  
*Integrated Design of Catalytic Nanomaterials  
for a Sustainable Production*  
NMP3-CT-2005-011730



IACS President and Council Members

Re: Bid of Germany for Hosting the 15th ICC

Dear IACS President and Council Members

as Coordinator of the EU-funded Network of Excellence IDECAT and past-President of the European Federation of Catalysis Societies (EFCATS) I would strong support the bid of Germany for hosting the 15th ICC.

IDECAT is an European Union funded Network of Excellence (NoE) which links some of the main European research groups on catalysis in the area of homogeneous, heterogeneous and bio-catalysis, and covering areas from surface science, theory and modeling to applied catalysis and reaction / material engineering. The NoE is transforming now to a permanent Virtual Institute called European Research Institute on Catalysis (ERIC) which will link the major European R&D Institutions working in the field of catalysis. The major companies interested on catalysis are also linked to IDECAT / ERIC through the participation in the Industrial Council.

IDECAT / ERIC will be strongly involved in the organization of 15th ICC, and the IDECAT Coordinator (G. Centi) and President (J.M. Basset) are members of the Organizing Committee. Therefore, not only the German catalysis community will be involved in the organization of 15th ICC, but it will be also a much larger participation of the main European research groups on catalysis. This will not only guarantee a high scientific level for 15th ICC and the possibility for a broad covering of topics, but will also increase the participation to the event and the organization of several high-level pre- and post-congress symposia.

To note, that the involvement of IDECAT / ERIC in the organization of the congress and the fact that the Germany bid is under the auspices of EFCATS indicates that this bid is the first example in which a larger European catalysis community will be directly involved in the organization of the event. This direction to shift the organization from a country basis to a larger-area level is very desirable to further strength catalysis community and promote excellence.



prof. Gabriele CENTI  
Coordinator of IDECAT  
past-President EFCATS

## Letters of Support

# Deutsche Bunsen-Gesellschaft

## für Physikalische Chemie



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60486 Frankfurt am Main  
Tel.: 0 69/75 64 620/-621  
Fax: 0 69/75 64 622  
Internet: [www.bunsen.de](http://www.bunsen.de)  
E-Mail: [foerster@bunsen.de](mailto:foerster@bunsen.de)

To the International Association of Catalysis Societies (IACS)

12.02.2008

Dear Council Members

The German Bunsen Society for Physical Chemistry strongly supports the candidacy bid of Germany to host the 15<sup>th</sup> International Congress on Catalysis in 2012.

Catalysis is a high technology to secure an environmentally compatible synthesis of chemicals, advanced materials, and energy carriers. The German Bunsen Society considers catalysis as a central aspect of its activities with many of our members active in this area. The annual meeting 2006 of the German Bunsen Society was specifically dedicated to the topic of heterogeneous catalysis.

Organizing the conference in Germany would be an excellent opportunity for the high profile German catalysis community to host their colleagues and to help setting new goals for the dynamically evolving field. Munich, located in the Center of Europe is particularly well suited as site of the conference. This is related not only to its easy accessibility and pleasant environment, but also because of the high profile of the two universities in this field and the strong involvement of the local Chemical industry.

We hope that this bid will be received favorably and look forward to supporting the organization of the 15<sup>th</sup> International Congress on Catalysis in Munich.

Sincerely yours

Dr. Andreas Förster  
General Secretary  
German Bunsen Society  
for Physical Chemistry

**Bankverbindung:**  
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BLZ 500 800 00  
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Deutsche  
Forschungsgemeinschaft  
German Research Foundation

Postal address: DFG, 53170 Bonn, Germany

To the International Association of Catalysis Societies (IACS)

**The President**

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Kennedyallee 40  
53175 Bonn, Germany

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Fax +49-(0)228-2777

Please direct enquiries to:

Dr.-Ing. Bernd Giernoth  
Phone +49-(0)228-885-2284  
Email [Bernd.Giernoth@dfg.de](mailto:Bernd.Giernoth@dfg.de)

26 February 2008

Dear Council Members,

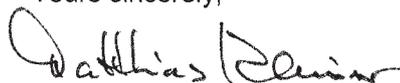
The Deutsche Forschungsgemeinschaft strongly supports the candidacy bid of Germany to host the 15th International Congress on Catalysis in 2012.

The wide importance of Catalysis to secure an environmentally compatible synthesis of Chemicals, advanced materials, and energy carriers gives Deutsche Forschungsgemeinschaft a strong incentive to foster the development of catalysis and catalytic processes.

Organizing the Conference in Germany would be an excellent opportunity for the high profile German catalysis community to host their colleagues and to help setting new goals for the dynamically evolving field. Munich, located in the Centre of Europe is particularly well suited as site of the Conference. This is related not only to its easy accessibility and pleasant environment, but also because of the high profile of the two universities in this field and the strong involvement of the local chemical industry.

We hope that this bid will be received favourably and look forward to supporting the organization of the 15th International Congress on Catalysis in Munich.

Yours sincerely,



Matthias Kleiner

## Letters of Support



Deutsche Wissenschaftliche Gesellschaft  
für Erdöl, Erdgas und Kohle e.V.

### To the International Association of Catalysis Societies (IACS)

Hamburg, den 28.01.2008  
Phone: +49 40 639004 11  
tessmer@dgmk.de

Dear Council Members,

The DGMK German Society for Petroleum and Coal Science and Technology strongly supports the candidacy bid of Germany to host the 15<sup>th</sup> International Congress on Catalysis in 2012.

The wide importance of Catalysis to secure an environmentally compatible synthesis of chemicals, advanced materials, and energy carriers gives DGMK's member companies a strong incentive to foster the development of catalysis and catalytic processes.

Organizing the conference in Germany would be an excellent opportunity for the high profile German catalysis community to host their colleagues and to help setting new goals for the dynamically evolving field. Munich, located in the center of Europe is particularly well suited as site of the conference. This is related not only to its easy accessibility and pleasant environment, but also because of the high profile of the two universities in this field and the strong involvement of the local chemical industry.

We hope that this bid will be received favourably and look forward to having the 15<sup>th</sup> International Catalysis Congress in Munich.

Sincerely yours

Dr. Gisa Teßmer  
Executive Director

GESELLSCHAFT DEUTSCHER CHEMIKER  
DER GESCHÄFTSFÜHRER

GDCh · Postfach 90 04 40 · D-60444 Frankfurt am Main

To the  
International Association of Catalysis Societies

Prof. Dr. Wolfram Koch

Gesellschaft Deutscher Chemiker e.V.  
Varrentrappstraße 40–42  
D-60486 Frankfurt am Main

Telefon 0 69-79 17-320  
Fax 0 69-79 17-307  
E-Mail w.koch@gdch.de  
Internet www.gdch.de

April 22, 2008

Dear Council Members:

The Gesellschaft Deutscher Chemiker (GDCh, German Chemical Society), with close to 30,000 members from academe, industry and other areas the largest learned society for the chemical and molecular sciences in Continental Europe, strongly supports the candidacy bid of Germany to host the 15th International Congress on Catalysis in 2012. GDCh is willing to support and to closely cooperate with the organizers and to offer its scientific expertise.

GDCh and its divisions and working parties are heavily involved in all areas of catalysis. A particular focus is on the importance of catalytic processes for securing an environmentally compatible synthesis of chemicals, advanced materials, and a sustainable supply of energy.

Organizing the conference in Germany would be an excellent opportunity for the high profile German catalysis community to host their colleagues and to help setting new goals for the dynamically evolving field. Munich, located in the center of Europe is particularly well suited as site of the conference. This is related not only to its easy accessibility and pleasant environment, but also because of the high profile of the two Munich based universities in this field and the strong involvement of the local chemical industry.

We hope that this bid will be received favorably and look forward to cooperating in the organization of the 15th International Congress on Catalysis in Munich.

Sincerely yours



Prof. Dr. Wolfram Koch  
Executive Director

## Letters of Support



**Alexander von Humboldt**  
Stiftung/Foundation

Alexander von Humboldt-Stiftung · Jean-Paul-Str. 12 · D-53173 Bonn

To the International Association of  
Catalysis Societies (IACS)

Der Präsident

Ansprechpartner:  
Dorothea Koch

Tel.: +49 (0)228 / 833-111  
Fax: +49 (0)228 / 833-216  
dorothea.koch@avh.de

Unser Zeichen: AB

Datum: 6. März 2008

Dear Council Members:

The Alexander von Humboldt-Foundation strongly supports the candidacy bid of Germany to host the 15<sup>th</sup> International Congress on Catalysis in 2012.

The wide importance of Catalysis to secure an environmentally compatible synthesis of chemicals, advanced materials, and energy carriers gives Alexander von Humboldt-Foundation a strong incentive to foster the development of catalysis and catalytic processes.

Organizing the conference in Germany would be an excellent opportunity for the high profile German catalysis community to host their colleagues and to help setting new goals for the dynamically evolving field. Munich, located in the Center of Europe is particularly well suited as site of the conference. This is related not only to its easy accessibility and pleasant environment, but also because of the high profile of the two universities in this field and the strong involvement of the local chemical industry.

We hope that this bid will be received favorably and look forward to supporting the organization of the 15<sup>th</sup> International Congress on Catalysis in Munich.

Yours sincerely

Helmut Schwarz

## M A X - P L A N C K - G E S E L L S C H A F T

*Der Präsident*

Max-Planck-Gesellschaft, Postfach 10 10 62, 80084 München

The Council of the International Association  
of Catalysis Societies IACS  
c/o DECHEMA  
Theodor-Heuss-Allee 25  
60486 Frankfurt am Main



February 22, 2008

*15th international Congress on Catalysis in 2012*

Dear Council Members,

The Max Planck Society strongly supports the candidacy bid of Germany to host the 15th international Congress on Catalysis in 2012.

The Max Planck Society recognizes the wide importance of Catalysis to secure an environmentally compatible synthesis of chemicals, advanced materials, and energy carriers. In this context the Max Planck Society operates several institutes focusing on basic research in catalysis and catalytic processes.

Organizing the conference in Germany would be an excellent opportunity for the high profile German catalysis community to host their colleagues and to help setting new goals for the dynamically evolving field. Munich, located in the Center of Europe is particularly well suited as site of the conference. This is related not only to Munich's easy accessibility and pleasant environment, but also because of the high profile of the two universities in this field and the strong involvement of the local chemical industry.

We hope that this bid will be received favorably and look forward to supporting the organization of the 15th International Congress on Catalysis in Munich.

Sincerely yours

Peter Gruss

## Letters of Support



The Chemical Company

BASF SE, 67056 Ludwigshafen, Deutschland

To the International Association  
of Catalysis Societies (IACS)

18.02.08/pb  
GC – M 300  
Prof. Dr. Rainer Diercks  
Tel. 0621 60 51033  
Fax 0621 60 54594  
E-Mail: rainer.diercks@basf.com

Dear Council Members,

BASF SE strongly supports the candidacy bid of Germany to host the 15<sup>th</sup> International Congress on Catalysis in 2012 in Munich.

The wide importance of catalysis to secure an environmentally compatible synthesis of chemicals, advanced materials, and energy carriers gives BASF SE a strong incentive to foster the development of catalysis and catalytic processes.

Organizing the conference in Germany would be an excellent opportunity for the high profile German catalysis community to host their colleagues and to help setting new goals for the dynamically evolving field. In the German chemical industry catalysis has played an outstanding role for more than a 100 years. Today the German chemical industry keeps a leading position in catalysis and covers the entire range of applied catalysis from the development of new catalytic processes to solutions for environmental challenges.

Munich, located in the center of Europe is particularly well suited as site of the conference. This is related not only to its easy accessibility and pleasant environment, but also because of the high profile of its two universities in this field.

We hope that this bid will be received favorably and look forward to supporting the organization of the 15<sup>th</sup> International Congress on Catalysis in Munich.

Sincerely yours

BASF SE  
Chemicals Research and Engineering

Diercks

**BASF SE**  
67056 Ludwigshafen, Deutschland

Telefon: +49 621 60-0  
Telefax: +49 621 60-42525  
E-Mail: global.info@basf.com  
Internet: www.basf.com

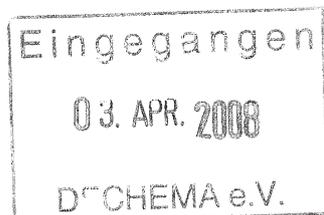
**Sitz der Gesellschaft:** 67056 Ludwigshafen  
**Registergericht:** Amtsgericht Ludwigshafen,  
Eintragungsnummer: HRB 6000

**Euro-Bankverbindung:**  
BASF Bank GmbH, 67056 Ludwigshafen  
Konto-Nr. 400505, BLZ 520 200 00  
IBAN DE67 5202 0000 0000 4005 05  
SWIFT-BIC-Code WINBDE52XXX

**Aufsichtsratsvorsitzender:** Jürgen Strube

**Vorstand:** Jürgen Hambrecht, Vorsitzender;  
Eggert Voscherau, stellv. Vorsitzender;  
Kurt Bock, Martin Brudermüller,  
John Feldmann, Andreas Kreimeyer,  
Stefan Marcinowski, Harald Schwager

Bayer



To The International Association  
of Catalysis Societies (IACS)

Dr. Wolfgang Plischke  
Member of the Board  
of Management

Bayer AG  
51368 Leverkusen

Telefon: +49 (214) 30 4 44 40  
Telefax: +49 (214) 30 8 11 82  
E-Mail: wolgang.plischke.  
wp@bayer-ag.de

April 1, 2008

Dear Council Members,

Bayer AG strongly supports the candidacy bid of Germany to host the 15<sup>th</sup> International Congress on Catalysis in 2012.

The wide importance of Catalysis to secure an environmentally compatible synthesis of chemicals, advanced materials and energy carriers gives Bayer AG a strong incentive to foster the development of catalysis and catalytic processes.

Organizing the conference in Germany would be an excellent opportunity for the high profile German catalysis community to host their colleagues and to help setting new goals for the dynamically evolving field. Munich, located at the Center of Europe is particularly well suited as site of the conference. This is related not only to its easy accessibility and pleasant environment, but also because of the high profile of the two universities in this field and the strong involvement of the local chemical industry.

We hope that this bid will be received favorably and look forward to supporting the organization of the 15<sup>th</sup> International Congress on Catalysis in Munich.

Sincerely yours

## Letters of Support

# Heraeus

W. C. Heraeus GmbH · Postfach 15 53 · 63405 Hanau, Germany

To the  
International Association of  
Catalysis Societies (IACS)

W. C. Heraeus GmbH  
Chemicals Division  
Heraeusstraße 12 - 14  
63450 Hanau, Germany

Business Unit Catalysts  
Ansprechpartner: Dr. Ulrich Ströder  
Telefon: +49 (0) 61 81 / 35-57 90  
Fax: +49 (0) 61 81 / 35-82 90  
E-Mail: ulrich.stroeder@heraeus.com  
www.wc-heraeus.com/catalysts

Ihr Zeichen:  
Unser Zeichen:  
Ihre Nachricht vom:

17.04.08

Dear Council Members,

We know „Dechema“ as an outstanding organisation with long tradition in all questions for chemical engineering, chemical process technology and last but not least all kinds of catalytic matters.

Many of our employees participate in Dechema conferences, congresses and educations / trainings frequently.

For this reason W. C. Heraeus strongly supports Dechema´s candidacy to host 15<sup>th</sup> International Congress on Catalysis in 2012.

We know very well the annual hosted “Katalytikertreffen” in Weimar / Germany, where German and European scientists come together to exchange latest results in all fields of homogeneous and heterogeneous catalysis. This conference always is organised perfectly, our attending employees appreciate the high standard of lectures and the perfect kind of organisation.

We think all this points speak clearly for “Dechema” as possible host for Congress on Catalysis in 2012.

Sincerely yours

**W. C. Heraeus GmbH**

  
i. V. Dr. U. Ströder

Commerzbank AG Hanau · Bankleitzahl: 506 400 15 · Kontonummer: 23 10 001  
(S.W.I.F.T. COBA DE FF 506) · Sitz der Gesellschaft: Hanau  
Registergericht Hanau HRA 5297 · USt-IdNr. DE 812 593 061  
Persönlich haftender Gesellschafter: W. C. Heraeus Verwaltungsgesellschaft mbH, Hanau  
Vorsitzender des Aufsichtsrats: Dr. Helmut Eschwey  
Geschäftsführer: Dr. Roland Gerner – Dr. Peter Köhler · Registergericht Hanau HRB 6290

**W. C. Heraeus**



SÜD-CHEMIE AG P.O. Box 10 11 65 80085 Munich/Germany

To the  
International Association of Catalysis  
Societies (IACS)

Managing Board

Dr. Günter von Au

Dr. Hans-Joachim Müller

Dr. Edgar Binnemann

Dr. Hans-Jürgen Wernicke

Dr. Dietrich Schulz

February 4, 2008

Dear Council Members,

Süd-Chemie strongly supports the candidacy bid of Germany to host the 15<sup>th</sup> International Congress on Catalysis in 2012.

The wide importance of Catalysis to secure an environmentally compatible synthesis of chemicals, advanced materials and energy carriers gives Süd-Chemie a strong incentive to foster the development of catalysis and catalytic processes. As you might be aware, Süd-Chemie with its headquarter being based in Munich is a leading worldwide supplier of catalysts and related technology to the chemical and petrochemical industry and for environmental applications.

Organizing the conference in Germany would be an excellent opportunity for the high profile German catalysis community to host their colleagues and to help setting new goals for the dynamically evolving field. Munich, located in the Center of Europe, is particularly well suited as site of the conference. This is related not only to its easy accessibility and pleasant environment, but also because of the high profile of the two universities in this field and – besides Süd-Chemie – the strong involvement of the chemical industry in Southern Germany.

We hope that this bid will be received favorably and look forward to supporting the organization on the 15<sup>th</sup> International Congress on Catalysis in Munich.

Sincerely yours,

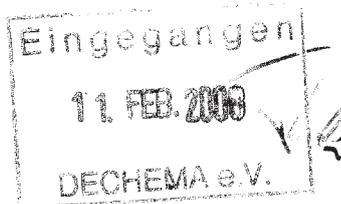
SÜD-CHEMIE AG

Dr. Hans Jürgen Wernicke  
Deputy Chairman of the Managing Board

Dr. Hans-Joachim Müller  
Member of the Managing Board

Süd-Chemie Aktiengesellschaft, Munich  
Chairman of the Supervisory Board: Dr. Dietrich Schulz  
Managing Board: Dr. Günter von Au (Chairman),  
Dr. Hans Jürgen Wernicke (Deputy Chairman),  
Edgar Binnemann, Dr. Hans-Joachim Müller  
Commercial Register: Munich Local Court HR B No. 1019

## Letters of Support

**DR. FRIDOLIN STARY**  
LEITER KONZERNINNOVATION

**Wacker Chemie AG**  
Consortium für  
elektrochemische Industrie  
Zielstattstrasse 20  
81379 München, Germany  
Tel. +49 89 74844-210  
Fax +49 89 74844-367  
fridolin.stary@wacker.com

Wacker Chemie AG  
Zielstattstrasse 20, 81379 München, Germany

DECHEMA e.V.  
Herrn Prof. G. Kreysa  
Theodor-Heuss-Allee 25

60486 Frankfurt am Main

04.02.08

### To the International Association of Catalysis Societies (IACS)

Dear Council Members,

The Wacker Chemie AG strongly supports the candidacy bid of Germany to host the 15<sup>th</sup> International Congress on Catalysis in 2012.

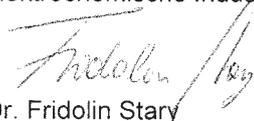
The wide importance of catalysis to secure an environmentally compatible synthesis of chemicals, advanced materials, and energy carriers gives Wacker Chemie AG a strong incentive to foster the development of catalysis and catalytic processes.

Organizing the conference in Germany would be an excellent opportunity for the high profile German catalysis community to host their colleagues and to help setting new goals for the dynamically evolving field. Munich, located in the Center of Europe is particularly well suited as site of the conference. This is related not only to its easy accessibility and pleasant environment, but also because of the high profile of the two universities in this field and the strong involvement of the local chemical industry.

We hope that this bid will be received favorably and look forward to supporting the organization of the 15<sup>th</sup> International Congress on Catalysis in Munich.

Sincerely yours,

Wacker Chemie AG  
Consortium für  
elektrochemische Industrie



Dr. Fridolin Stary

Sitz München  
Amtsgericht München HRB 159705  
**Vorstand:**  
Peter-Alexander Wacker (Vorsitzender)  
Joachim Rauhut  
Rudolf Staudigl  
Auguste Willems  
**Vorsitzender des Aufsichtsrats:**  
Karl Heinz Weiss



DECHEMA

Gesellschaft für Chemische Technik  
und Biotechnologie e.V.

Theodor-Heuss Allee 25  
60486 Frankfurt am Main  
Germany

Phone: +49 (0)69 7564-452

FAX: +49 (0)69 7564-117

E-Mail: [dentroeder@dechema.de](mailto:dentroeder@dechema.de)



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