

## GENERAL INFORMATION

### ACCOMMODATION & VENUE

We look forward to meeting you at the „Himmelfahrtstagung“ 2015 in Hamburg.

To reserve accommodation please contact the hotel directly with the keyword “Bioprocesses”.

#### **RAMADA Hotel Hamburg-Bergedorf**

Holzhude 2  
21029 Hamburg  
Germany

Phone: +49 40 72595-0  
Fax: +49 40 72595-187  
E-Mail: [reservierung.hamburg@ramada.de](mailto:reservierung.hamburg@ramada.de)

Single room: 108,50 €  
Double room: 137,50 €  
including breakfast

Accommodations close to the conference venue:

300 m to the venue

#### **Hotel Restaurant Kuhberg**

Wiebekingweg 2a  
21029 Hamburg  
Phone: +49 (0)40 7269800-6  
Fax: +49 (0)40 7269800-5  
E-mail: [info@hotel-kuhberg-hamburg.de](mailto:info@hotel-kuhberg-hamburg.de)  
[www.hotel-kuhberg-hamburg.de](http://www.hotel-kuhberg-hamburg.de)

500 m to the venue

#### **Hotel Sachsentor GbR**

Bergedorfer Schlossstraße 10  
21029 Hamburg  
Phone: +49 (0)40 726967-0  
Fax: +49 (0)40 726967-20  
E-mail: [rezeption@hotelsachsentor.de](mailto:rezeption@hotelsachsentor.de)  
[home.hotelsachsentor.de](http://home.hotelsachsentor.de)

## GENERAL INFORMATION

### REGISTRATION FEES<sup>1)</sup>

|                           | Members <sup>2)</sup> | Others |
|---------------------------|-----------------------|--------|
| Industry                  | 725 €                 | 740 €  |
| Academia full             | 435 €                 | 450 €  |
| PhD Student <sup>3)</sup> | 225 €                 | 240 €  |
| Student <sup>3)</sup>     | 90 €                  | 105 €  |

1) No VAT required according to § 4.22 UStG

2) Personal DECHEMA-, VDI-GVC-members and EFCE/EFPC passport holders

3) Proof of status required

The conference ticket includes the book of abstracts, list of participants, meals and beverages during the breaks.



### ORGANISER AND CONTACT

DECHEMA e.V.  
Research Management and Conferences  
Theodor-Heuss-Allee 25  
60486 Frankfurt am Main  
Germany

Nina Weingaertner  
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Fax: +49 (0)69 7564-176  
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## CALL FOR PAPERS

May 11 – 13, 2015  
RAMADA Hotel Hamburg-Bergedorf  
Germany

## Scale-up and scale-down of bioprocesses

Think big – act small

[www.dechema.de/biopro15](http://www.dechema.de/biopro15)



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## INVITATION

Scale-up and scale-down strategies for bioprocesses are the focal topic of the “Himmelfahrtstagung” 2015. Points for discussion include how lab-scale performance can be successfully transferred in production scale. Microbial and fungal processes, biotransformations as well as cell culture problems will be discussed including scale-up/scale-down devices for mimicking and analysing production conditions.

The “Himmelfahrtstagung” – a 3-day annual conference happening the week before Ascension Day – is the main event for Bioprocess and Biochemical engineers in Germany. The conference is organised by the Biochemical Engineering group of DECHEMA – Germany’s Society for Chemical Engineering and Biotechnology. The event is known for its vivid character offering open and constructive discussions extra time.

Transferring bioprocesses from the lab to production is accompanied by chemical, biological and physical impact factors. While lab-scale approaches benefit from high volumetric power input, homogenous mixing and high mass-transfer rates, processes in production-scale are likewise restricted suffering from economical and technical restrictions. As such large-scale bioreactor conditions are inhomogeneous showing gradients of nutrients, dissolved gases, pH etc. Biocatalysts experience these gradients while travelling through different zones inside the reactor. As a consequence, performance data of large scale may differ significantly from those in lab tests.

In the name of the organisation committee we would like to invite you to submit your recent results of this year’s topic. Besides, young scientists are encouraged to report on their research projects covering other fields of biochemical engineering. Related contributions will be considered in the 2nd half of the 3-days event.

## TOPICS

## INVITED KEYNOTE SPEAKERS

- » **Burghard König** Sandoz Industrial Products GmbH, Frankfurt
- » **Alvin Nienow** University of Birmingham

## TOPICS

- » Application of scale-up and scale-down criteria
- » Novel reactor concepts for scale-down/scale-up
- » Simulation und investigation of non-ideal conditions of large scale bioprocesses in small scale systems
- » Computational tools for scale-up and scale-down
- » Behaviour of biological systems in different scales
- » Scale-down/scale-up of DSP processes
- » Industrial scale up and scale down case studies
- » Open-topic section

## COMMITTEE

- Bayer, Thomas** InfraServ GmbH & Co. Hoechst KG, Frankfurt/D
- Buechs, Jochen** RWTH Aachen/D
- Eibl, Dieter** Züricher Hochschule für angewandte Wissenschaften, Wädenswil/CH
- Eisenkrätzer, Detlef** Roche Diagnostics GmbH, Penzberg/D
- Holtmann, Dirk** DECHEMA Forschungsinstitut, Frankfurt/D
- König, Burghard** Sandoz Industrial Products GmbH, Frankfurt/D
- Liese, Andreas** TU Hamburg-Harburg/D
- Takors, Ralf** University of Stuttgart/D
- Zeng, An-Ping** TU Hamburg-Harburg/D

## ABSTRACTS / DATES TO NOTE

## SUBMISSION OF ABSTRACTS

For detailed information about the submission of abstracts please visit our conference website:

[www.dechema.de/biopro15](http://www.dechema.de/biopro15)

Abstracts should be submitted via file upload to the website no later than **21 November 2014**.

The selection of presentations (oral and posters) will be based on the review of 1-page abstracts (max. size 500 kb, incl. figures) by the Scientific Committee. The abstracts should explicitly mention objectives, new results and conclusions or significance of the work. The congress language will be English. Please note that authors have to pay the full registration fee.

**We look forward to receiving your contribution to the conference and to welcoming you in Hamburg.**