

BIWIC 2008

15th INTERNATIONAL WORKSHOP ON INDUSTRIAL CRYSTALLIZATION

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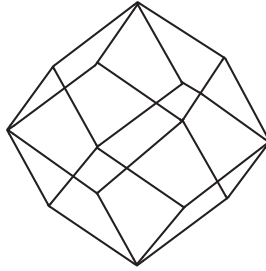
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BIWIC 2008

**15th International Workshop on Industrial
Crystallization**



September 10–12, 2008

Max Planck Institute for
Dynamics of Complex Technical Systems
Magdeburg/Germany

Edited by

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Back cover: Photography of the main entrance of the Max Planck Institute in Magdeburg during the “Long Night of the Sciences” 2006 by Andreas Lander.

Preface

Crystallization is an important technique for separation and purification of substances as well as for product design in chemical and pharmaceutical industries and in biotechnology. Besides the typical demand for a certain purity, often specific application-oriented characteristics such as size, size distribution and shape of the crystalline products need to be adjusted and controlled. In case of organic materials, relevant in the pharmaceutical and fine chemical industries, further challenges arise due to polymorphism, formation of solvates and solid solutions. In order to address the related complex tasks, an interdisciplinary approach is required bridging from fundamental and application-oriented research to industrial tasks.

On that background the 15th International Workshop on Industrial Crystallization (BIWIC 2008) is focused on the following main topics:

- Fundamentals of crystallization,
- Separation and purification of fine chemicals and pharmaceuticals,
- Monitoring, modeling and design of crystallization processes,
- Case studies from an industrial point of view.

A major intention of the BIWIC workshops is to bring together scientists and engineers from academia and industry, already experienced or beginners, to present and discuss current work and also to identify new challenging research fields of industrial interest. The 15th event continues a successful series of meetings initiated by Professor Joachim Ulrich and held previously in Bremen, Delft, Rouen, Gyeongju, Halle and Cape Town. The BIWIC has become a real international “workshop” for the crystallization community and is known for its informal character.

We are pleased to host the 15th BIWIC at the Max Planck Institute for Dynamics of Complex Technical Systems in Magdeburg in 2008.

We would like to thank the members of the scientific and organizing committees for their active support in preparing the workshop. Further, we thank Joachim Ulrich for offering us holding the 15th BIWIC in Magdeburg as well as for his guidance during the organizing phase. Finally, the valuable contributions from industrial side, financial support and inspiring scientific presentations, are gratefully acknowledged. It is expected that the meeting will facilitate active interactions between the students, Ph. D. students and industrial participants.

We wish all the participants a productive and enjoyable workshop,

Heike Lorenz, Henning Kaemmerer and Andreas Seidel-Morgenstern

Max Planck Institute for Dynamics of Complex Technical Systems
Department of Physical and Chemical Foundations of Process Engineering
Magdeburg, July 21, 2008

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