



## Preface

Crystallization is a key technology for separation and purification of substances as well as for product design in chemical and life-science industries. Amounts of crystalline products range from several kg to multi-ton scales per year taking into account highly active pharmaceuticals on the one side and bulk chemicals such as inorganic salts for fertilizer applications on the other side. In addition, in topics of social interest, such as sustainability, crystallization processes become more and more important both in research and practice.

The main topics of the 23<sup>rd</sup> BIWIC reflect key applications as well as recent trends & challenges of crystallization, thus covering:

- Fundamentals of crystallization
- Separation, purification and formulation in life-science industries with applications in food, pharmaceuticals and agrochemicals sectors
- Monitoring and modeling of crystallization processes
- Crystallization for sustainability

It is our pleasure to host the BIWIC in 2016 for the second time after 2008 at the Max Planck Institute for Dynamics of Complex Technical Systems in Magdeburg. It is already the 23<sup>rd</sup> workshop after being established by Joachim Ulrich in Bremen in 1990 and continues successful events held in the last years in Halle, Delft, Tianjin, Odense, Rouen and Daejeon.

It brings together every year scientists and engineers from academia and industry, experts as well as newcomers, to present and discuss their current work and also to identify challenging fields of research of both fundamental and industrial interest. This year's participants come from 20 countries showing that the BIWIC has become a real international forum of the crystallization community. The particularly informal atmosphere offers plenty of opportunities for PhD students to exchange experiences, initiate collaborations and to get in contact with international experts.

We would like to thank the members of the scientific and organizing committees for their active and continuous support in the preparation of the workshop. Our special thanks go to Joachim Ulrich for again offering us the opportunity to organize and hold the BIWIC in Magdeburg. Finally, the valuable contributions from industry, financial support and inspiring scientific presentations, are gratefully acknowledged.

We wish all the participants a fruitful and enjoyable workshop and a memorable BIWIC 2016,

Heike Lorenz and Hannes Buchholz

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## Scientific Committee

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## Organizing Committee

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