



## Call for papers

### Conference Deadlines

Submission of abstracts: March 15, 2009

Letter of acceptance: April 1, 2009

Submission of full manuscripts: June 15, 2009

**The conference fee is 200€**

The fee includes: proceedings, coffees, lunches and conference dinner. VAT 22 % is included in the price.

### Scientific Committee

Joachim Ulrich, Halle/Germany

Gerard Coquerel, Rouen/France

Matthew Jones, Södertälje/Sweden

Kwang-Joo Kim, Taejeon/South Korea

Heike Lorenz, Magdeburg/Germany

Marjatta Louhi-Kultanen, Lappeenranta/Finland

Zuoliang Sha, Tianjin/China

Didrik Malthe-Sörensen, Trondheim/Norway

### Organizing Committee

- Henry Hatakka
- Eero Kaipainen
- Vesa Karvonen
- Marjatta Louhi-Kultanen
- Harri Niemi
- Sanna Ojanen
- Ritva Tuunila

### Contact Details

- Scientific Issues:

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- Registration Issues/Conference Secretariat: CST

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## BIWIC 2009

*16th International Workshop on Industrial Crystallization*

**September 9-11, 2009 Lappeenranta, Finland**

**Centre for Separation Technology, Student Union Building  
LAPPEENRANTA UNIVERSITY OF TECHNOLOGY**

### Introduction

Crystallization is a widely used purification and separation method when a pure crystalline substance with specific particle properties needs to be isolated from a multi-component process solution. The main challenges in industrial crystallization are usually how to control purity, crystal morphology, crystal size distribution, solvates, co-crystals and polymorphism.

BIWIC 2009, the 16th International Workshop on Industrial Crystallization, is intended for scientists and engineers working in research, design and industrial production in pharmaceuticals, fine chemicals and life sciences and for students orientated to chemical technology.

The 16th event continues a successful series of meetings primarily initiated by Joachim Ulrich and already held in Bremen, Delft, Rouen, Gyeongju, Halle, Cape Town and last year in Magdeburg. We are pleased to host the BIWIC in 2009 at the Lappeenranta University of Technology and look forward to welcoming you in September 2009 in Lappeenranta.

Marjatta Louhi-Kultanen





## Main Topics addressed by the 16th BIWIC

- Thermodynamics (solid-liquid equilibrium, selection of co-solvents/anti-solvents)
- Crystallization kinetics
- Fluid dynamics of crystallizers
- Separation, fractionation and purification of fine chemicals and pharmaceuticals (polymorphism, formation of solvates and hydrates, stability, etc.)
- Melt crystallization
- Applying PAT in crystallization processes
- Modeling of crystallization processes
- Down-stream processing (solid-liquid separation, etc.)

## Venue

The BIWIC Conference will be held in the Student Union Building of Lappeenranta University of Technology (LUT). LUT was established in 1969 as a national university of technology. About 5000 students study in the various degree programmes offered by the university, and about 900 new students are admitted each year. There are about 500 postgraduate students, and 900 members of staff. The university campus is located 7 kilometres from the centre of Lappeenranta on the shores of Lake Saimaa and surrounded by the picturesque Finnish nature.

The LUT Centre for Separation Technology was founded in 1997 in response to increasing demands from industry. In the Department of Chemical Technology, separation technology has long been a common field of research. Applications are found in chemical processes, wood processing, mining and food industries, and biotechnology. CST is a cooperative institution established to integrate the know-how in separation technologies mastered by different LUT laboratories. The aim of the CST is to act as a link between national and international research organizations and industry.

Lappeenranta surrounded by the magnificent lake Saimaa is located in South Karelia in south-east Finland, near the Russian border. The eleventh-largest Finnish city by number of inhabitants, Lappeenranta is a city renowned for its natural beauty, its happy Karelian character and its good prospects for the future. The lake district of Saimaa gives a distinct flavour to the southern Karelian landscape and life style. Lappeenranta is the commercial centre of South-eastern Finland with several shopping centres and a large number of specialised shops. The economic development of the city has been favourable, especially in the service sector. In addition Lappeenranta counts among the main training and education centres in Finland. A truly special experience awaits you in Lappeenranta: here you find excellent service, cheerful people, fun-filled events, unique attractions and sights.

## Abstracts and Manuscripts

Participants interested in presenting to one of the topics given above are invited to submit a **one-page abstract** by **March 15, 2009**. Contributions to other related topics are also welcome. In the abstract the **presenting author** should be indicated. Abstracts can be sent to:  
biwic2009@lut.fi

Manuscripts of the accepted contributions (up to 8 pages) will be published in the proceedings given to the participants at the beginning of the meeting.