

# International Workshop on Crystallization, Filtration and Drying

*Venue*

Old Auditorium,  
Mumbai University Institute of Chemical Technology

**Dates: 23-25 February, 2006**

*Organised by*



International Society for  
Crystallisation, Filtration  
and Drying

Chemical Engineering Department,  
University Institute of Chemical  
Technology

# PROGRAMME

## Industrial Crystallization: Speakers and topics

Sr. No	Name of speakers	Topics
1	<b>Professor Allan Myerson</b> Professor of Chemical Engineering and Provost, Illinois Institute of Technology Chicago, USA	1. Crystallization Process Development in the Chemical and Pharmaceutical Industry 2. Novel Methods for the Study and Control of Nucleation and Polymorphism 3. Batch crystallization, scale-up and seeding effect
2	<b>Prof. Dr.-Ing.habil. Joachim Ulrich</b> Martin-Luther-University of Halle Verfahrenstechnik, Germany	4. Solid layer melt crystallization 5. The effect of process parameters on the achievability of polymorphs or solvates 6. Synthesis of green porous bodies with tailor-made porosity by "freeze casting"
3	<b>Dr. A. B. Pandit</b> Institute of Chemical Technology, University of Mumbai, India.	7. Engineering Design and Scale-up of crystallization 8. Ultrasound assisted antisolvent based precipitation.
4	<b>Dr. Roger Marc Nicoud</b> Novasep, USA	9. The coupling of Continuous Chromatography and Crystallization : a most powerful tool to answer purity needs

## Industrial Filtration: Speakers and topics

Sr. No	Name of speakers	Topics
1	Dr. Patrick Mueller, Dr. MAG, Switzerland	1. Applied filtration theory 2. Filter sizing for pressure vessel filters
2	Dr. Bob Conway / Dr. Todd, CUNO, USA	3. Filtration in Pharma & Bio Industry.
3	Shri. Magan Khakharia Director, Microfilt India Pvt. Ltd. Mumbai	4. Overview of Filter Media available in Market Place & case studies

## Industrial Drying: Speakers and Topics

Sr. No	Name of speakers	Topics
1	Prof. Arun S. Mujumdar National University of Singapore	1. Classification and selection of industrial dryers 2. Drying technology for Pharmaceuticals, specialty and bulk chemicals & particulates
2	Dr. B. N. Thorat, Institute of Chemical Technology, University of Mumbai, India	3. Fluid bed drying continuous vs batch 4. New drying systems: Heat pump, infrared and Microwave drying technology



## About the Workshop

This workshop aims to address some of the most critical unit operations within the chemical engineering industry, encompassing a wide range of industries from pharma to food, from specialty chemicals to bulk chemicals and from polymers to organics materials.

## Who Should Attend

Internationally recognized experts in the area of industrial crystallization, industrial filtration and industrial drying, will provide both tutorial lectures in the area of their expertise. Time will be allocated for Q & A sessions. Chemical engineers, plant managers, technical managers, design engineers, academic researchers, industrial users, equipment designers, engineers, technologists and scientists will all benefit from the participation.

## Crystallisation

It is an important separation and purification technique used in the food, pharmaceutical, and chemical industry. The study of crystallization is a very interesting field that involves the work in a multidisciplinary team (chemical engineers, organic solid-state chemists, pharmaceutical scientists, and physicists).

## Filtration

Industrial Filtration is one of the areas that has been neglected over the past few years. The requirements for adequate and efficient solid-liquid separation has increased manifold of late due to stringent requirements related to process efficiency. Sedimentation and centrifuge fundamentals, laboratory filtration tests and their relevance to process scale filters, importance of correct filter media selection are pivotal criteria in the selection of filtration systems.

## Drying

As a dominant consumer of industrial energy, thermal drying is a crucially important unit operation found in most industrial sectors. As global economies prosper, the demand for energy-efficient and environmentally friendly drying technologies will continue to increase worldwide.

## UICT, Organizing Institute

U.I.C.T., formerly known as U.D.C.T. is without doubt one of the finest institutions of technology education and research in India and indeed, the world. The college awards undergraduate and postgraduate degrees in chemical engineering, chemical technology and pharmaceutical sciences. The total student strength of the institute is around 1400. For decades U.I.C.T. has been producing the finest brains in chemical technology, and has been at the centre of pioneering research in this field.

For more information about U.I.C.T. please logon to : <http://www.udct.org>

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## Registration Form

Please use a separate form for each person. This form may be copied for individual registration. Please check all appropriate boxes.

Title	Professor	<input type="checkbox"/>	Dr.	<input type="checkbox"/>	Mr.	<input type="checkbox"/>	Ms.	<input type="checkbox"/>
Name	<input type="text"/>							
Position	<input type="text"/>							
Organization / Institute	<input type="text"/>							
Mailing Address	<input type="text"/>							
	<input type="text"/>							
	<input type="text"/>				Pin / Zip Code	<input type="text"/>		
Telephone No.	<input type="text"/>				Fax No.	<input type="text"/>		
Email	<input type="text"/>							
Webpage	<input type="text"/>							
Date	<input type="text"/>				<input type="text"/>			
	<input type="text"/>							

Signature

**Registration Fees**  
INR 6.000 + 10.2% Service Taxes for Indian Delegates  
USD 300 for Overseas delegates

## Payment Details

Please find a DD / Cheque\* made payable to "ISCFD" at Mumbai branch.

DD / Cheque No.	<input type="text"/>	Amount Enclosed	<input type="text"/>
Date	<input type="text"/>		<input type="text"/>

\*[For outstation Cheque please add Rs. 30/- extra as bank clearing charges.]

Signature

Please complete and return to:  
**The Organizing Secretary,**  
Dr. A.B. Pandit / Dr. B.N. Thorat, Chemical Engineering Division,  
University of Mumbai, Institute of Chemical Technology, Matunga (E), Mumbai - 400 019, India  
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