World Forum for Crystallization, Filtration and Drying

International Workshop on Industrial Crystallization: Principles and Practice

19th & 20th February 2026
@ K.V. Auditorium

Institute of Chemical Technology (Formely UDCT)
Matunga East, Mumbai 400 019, Maharashtra, INDIA

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Institute of Chemical Technology
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List of Eminent Speakers

Prof. Dr. -Ing. Joachim Ulrich
Martin Luther University Halle-Wittenberg, Germany

Dr. Erik Temmel
Sulzer Chemtech Ltd, Winterthur, Switzerland

Dr. Robert Buchfink
GEA Messo GmbH

Dr. Manfred Stepanski
Consultant

Dr. Aman Dass
R & D Manager Schedio SA

Dr. Richard Becker
MD, BlazeMetrics, USA

Prof. C. S . Mathpati
Institute of Chemical Technology, Mumbai

Prof. P. R. Gogate
Institute of Chemical Technology, Mumbai

Dr. M. D. Yadav
Institute of Chemical Technology, Mumbai

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Name of the Speaker and Affiliation	Proposed topic of Presentation
Prof. Dr.-Ing. Joachim Ulrich Martin Luther University Halle-Wittenberg, Germany	• Fundamentals of Thermodynamics • Fundamentals of Kinetics • Crystallization of Polymorphes and Sovates
Mr. Dr.-Ing. Erik Temmel Sulzer Chemtech Ltd, Winterthur, Switzerland	• Modeling of (layer-) melt crystallization processes • Crystallization- Rational Process Designs
Prof. P. R. Gogate Institute of Chemical Technology, Mumbai	• Improvement in crystallization using ultrasound
Dr. Manfred Stepanski Consultant	• Melt Crystallization Technology
Dr. Richard Becker MD, Blaze Metrics, USA	• Crystallization reaction limitations and analysis with PAT & Demonstration of blaze PAT (Crystal Size distribution, morphology online measurement techniques)
Prof. C. S. Mathpati Institute of Chemical Technology, Mumbai	• Role of Mixing in Crystallization Processes
Dr. Robert Buchfink GEA Messo GmbH	• Solution crystallization -Introduction into equipment for continuous crystallization • Solution crystallization -Processes for purification and crystal growth
Dr. M. D. Yadav Institute of Chemical Technology, Mumbai	• Industrial Crystallization – Case Studies A) Battery Technologies B) Additive assisted APIs
Aman Dass R&D Manager, Schedio SA	• Basics of Milling

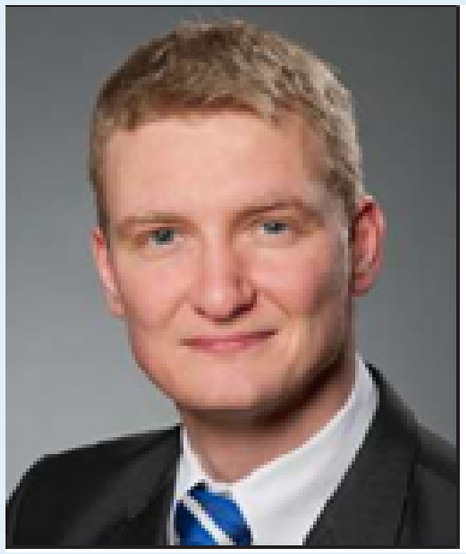
About our Eminent Speakers:

Prof. Dr.-Ing. Joachim Ulrich

Topic - Fundamentals of thermodynamics , Fundamentals of kinetics , Crystallization of polymorphes and sovates
Professor Joachim Ulrich, Chair of Thermal Unit Operations in Chemical Engineering, has been the Editor of the Journal of Crystal Growth & Design,Chairman and Member of the European Federation of Chemical Engineering and Working Party on Crystallization. He is a Visiting Professor at the University of Rouen/France and a member of Editorial Advisory Board of the Chem. Engg. & Tech. He was also the Chairman of “Fachausschuss Kristallisation" (Working Party on Crystallization of the VDI-GVC/ProcessNet). He was Pro-Vice-Chancellor for research for Martin Luther University and the Chairman of the board of the Luckner Foundation, Halle. Awarded with Honorary doctor (Dr. H. C.) of the University of Szeged, Hungary. There are so far 93 PhD theses supervised and more than 600 papers, books, book contributions, refereed congress contributions and patents published

Dr. Erik Temmel

Topic - Modeling of (layer-) melt crystallization processes , Crystallization-Rational Process Design
Dr. Erik Temmel is presently working at Sulzer Chemtech Ltd., Winterthur, Switzerland as a Project Manager with Industrial Crystallization group. He has worked as Research project manager in the field of crystallization process development at DSM Nutritional Products AG, Sisseln, Switzerland. He has experience in the field of innovative measurement techniques at the Max Planck Institute for Dynamics of Complex Technical Systems, group of Physical and Chemical Foundations, Max Planck Institute for Dynamics of Complex Technical Systems As a Scientific coworker within the group of Physical and Chemical Foundations (Head: Prof. Andreas Seidel-Morgenstern), he has a major contribution. He has worked at Otto von Guericke University Magdeburg, Chair of Chemical Process Engineering under the tutelage of a renowned Professor Andreas Seidel-Morgenstern.



Prof. P. R. Gogate

Topic - Improvement in crystallization using ultrasound
Dr. Parag Gogate is a versatile Chemical Engineer with research interest based on the use of alternate energy sources for process intensification of physical and chemical processing applications, wastewater treatment, and crystallization. He has contributed extensively to research with outstanding publication record of 460 International journal publications (SCOPUS) along with over 34000 + citations (h-index of 97). He has received various awards such as NASI-SCOPUS, Young Scientist/Engineer awards of INSA, ISCA, IEI and INAE, Hindustan Lever BiennialAward for the Most Outstanding Chemical Engineer of the Year of the IIChE and the Outstanding Asian Researcher and Engineer given byThe Society of Chemical Engineers, Japan

Dr. Manfred Stepanski

Topic - Melt crystallization technology

Dr. Manfred Stepanski is Head Crystallization for Sulzer Chemtech in Winterthur, Switzerland. He is now responsible for Sulzer's global melt crystallization activities. After joining Sulzer in 1990, he spent nine years working on process development and plant engineering in thermal separation technologies, areas in which he holds several patents. He received a diploma in mechanical engineering from the Technical University Aachen (Germany) and earned his doctorate degree from the University of Bremen (Germany).

Dr. Richard Becker

Topic - Crystallization reaction limitations and analysis with PAT & Demonstration of blaze PAT (Crystal Size distribution, morphology online measurement techniques)

Dr. Richard Becker is Managing Director and Co-Founder of Blaze Metrics (USA), specializing in advanced in-process microscopy, spectroscopy and analytics for crystallization and particle systems. He is a leading figure in Process Analytical Technology, known for developing real-time monitoring solutions that improve product quality, safety and scale-up in complex multiphase industrial processes.

Prof. C. S. Mathpati

Topic - Role of Mixing in Crystallization Processes

Prof. C. S. Mathapati is a distinguished academic and researcher with extensive experience in Computational and Experimental Fluid Dynamics, Design of Multiphase Reactors, Process Modeling and Simulation, and High-Temperature Corrosion Studies. His research integrates advanced numerical and experimental methodologies to address challenges in chemical reactor engineering, hydrodynamics of packed and fluidized beds, and applications of liquid jets in chemical processing. He holds 3 granted patents, has over 1,400 citations, reflecting his impactful contributions to the field. His strong commitment to academic excellence and research-driven innovation continues to shape the next generation of chemical engineers.

Dr. Robert Buchfink

Topic - Solution crystallization -Introduction into equipment for continuous crystallization

Dr. Robert Buchfink is Product Manager Crystallization at GEA Messo GmbH, specializing in advanced solution crystallizer design and process optimization for challenging industrial applications. He is an experienced international speaker and coauthor of scientific publications on complex fluids and bioprocess systems, bridging cutting-edge research with large-scale practice. Christian Melches is Senior Sales & Technology Manager at GEA Messo GmbH, combining process-technology expertise with global business development in evaporation and crystallization solutions.

Dr. M. D. Yadav

Topic - Industrial Crystallization – Case Studies A) Battery Technologies B) Additive assisted APIs

Currently associated with Institute of Chemical Technology, Mumbai as Assistant Professor in Department of Chemical Engineering. Contributed to the development and manufacturing of Bullet Proof Vest (“Bhabha Kavach”) in collaboration with Bhabha Atomic Research Centre, Mumbai. Developed process to manufacture carbon nanotubes (single walled or multi walled) in continuous manner along with chiral selectivity for single walled carbon nanotubes. Developed strategies to reduce batch time for hydrogenation reactions via process intensification which are currently deployed in practice. Developed stability criterion for ultrafine particles of poorly water-soluble drugs which can be used to optimize processing conditions that will enable the production of stable hydrophobic solute particles. Published 25 papers, 4 Book chapter and 1 Patent (Filed).

Aman Dass

Topic - Basics of milling

Aman Dass is an expert in the micronization process, working as R&D Manager at Schedio SA.

With an engineering background, he has acquired extensive hands-on experience across multiple, highly specialized industries. In his role, he manages the test center, overseeing the execution of trials and ensuring thorough process development. He also provides technical support and is actively involved in training activities. His deep knowledge in battery-related projects allows him to leverage extensive expertise in micronization and particle engineering for battery materials. Innovative solutions and approaches have established him as a key figure in this specialized field.

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Registration Details Registration Fees **(Inclusive of GST)**

- **Rs. 25,000/-**

For Registrations Scan QR Code
Last Date: 14th Feb 2026

Bank Details for Payment

Name of Account Holder: Institute of Chemical Technology
Name of Bank & Branch: Bank of Maharashtra, King's Circle (339)
Address of the Branch: Kaverinita Bldg 519, Mahajani Road, King's Circle, Mumbai - 400019
IFSC Code: MAHB0000339
SWIFT Code: MAHBINBBLJR
Account No.: 20019464929
MICR Code: 40014051

Last date for registration: **14th February 2026**
Registration Link Please pay the registration fees and complete the registration form available at the following link : **https://forms.gle/9G8E4QhLj9rctoo17**

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(President / Secretary, WFCFD)
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