

EFCE SpotLight Talks

Working Parties on Crystallization and Characterization of Particulate Systems

1st June
2023

09:00 • 12:00

CEST

INNOVATIVE CHARACTERIZATION TECHNIQUES FOR PARTICULATE AND CRYSTALLIZATION PROCESSES



In this webinar we will explore recent advancements in the field of characterization techniques for particulate and crystallization processes. Several techniques will be discussed including micro-computer tomography, in-line image analysis, as well as light-scattering. The practical implications of these advancements on the possibility of in-line monitoring and process control will also be discussed.

PROGRAM

- 09:00 **Welcome and introduction**
Martin Morgeneyer, Chair Working Party on Characterization of Particulate Systems
Daniele Marchisio, Chair Working Party on Crystallization
Jarka Glassey, EFCE Executive Vice-President
- 09:10 **Micro-computed tomography for 3D particle characterization**
Simon Schiele, TU/Munich - Germany
- 09:25 **Challenges and possibilities of using inline image analysis for real time monitoring of the particle size and morphology in industrial crystallization examples**
Sebastian Maass, Sopat GmbH, Berlin - Germany
- 09:40 **A crystal engineering approach for rational design of novel sustainable food, agrochemical and pharmaceutical formulations**
Elena Simone, Politecnico di Torino - Italy
- 09:55 **Toward an accurate characterization of size and shape of crystalline powders: challenges and how we tackled them**
Ashwin Kumar Rajagopalan, Univ. of Manchester - United Kingdom
- 10:10 **Laser-induced cavitation for controlling crystallization from solution**
Eral Burak, Technical Univ. Delft - The Netherlands
- 10:25 **Crystallisation using fluidic devices without moving parts**
Vidit Tiwari, University of Limerick - Ireland
- 10:40 **Online monitoring from the nanoscale into the micron area**
Stephen Ward-Smith, Malvern Analyticals - United Kingdom
- 10:55 **Monitoring an amorphous-phase mediated crystallization using process analytical technologies**
Isabella Jul-Jørgensen, Novo Nordisk A/S - Denmark
- 11:10 **Discussion and conclusion**

[**Registration**](#)

free of charge but mandatory

Contact: martine.poux@toulouse-inp.fr
daniele.marchisio@polito.it
martin.morgeneyer@utc.fr