

Registration of GVT-continuing education course

BILLING ADDRESS GVT-Member Yes No

Name

Title / First name

Company / Department

Street

Zip code / City / Country

Phone / Fax

Email

Company

Department

Street

Zip code / City

I have been informed about my right to object to the use of my data at any time.

Date / Sign

General Information

PARTICIPATION FEE

	Regular Price	Member of University
Participation fee	1.050,- €	850,- €
GVT-member	1.000,- €	–

Our participation fees are not liable to Value Added Tax (tax exemption in accordance with § 4.22 UstG), since GVT has nonprofit status.

SERVICES

Printed presentation documents, images, literature references (will be sent to you by mail before the start of the webinar). The access data (link, personal password) to the webinar will be sent to you by email in good time before the start of the webinar.

REQUIREMENTS

- Google Chrome or Firefox as browser
- Close other services such as Skype or similar messengers before each meeting. So your hardware is not blocked.
- Do not use VPN's
- USB Headset

REGISTRATION

Please register online at www.gvt.org/hochschulkurse until **30th September 2020**.

CANCELLATION

For cancellations received by **30th September 2020**, the participation fee will be reimbursed less a processing charge of € 50,-. After that date a reimbursement cannot be made, however it is still possible to nominate a replacement.

PRIVACY POLICY

Personal data which is necessary to organize this course will be transferred to the IPAT at TU Braunschweig. You have the right to withdraw a given consent at any time. Details about our privacy policy can be found at www.gvt.org/Datenschutz.

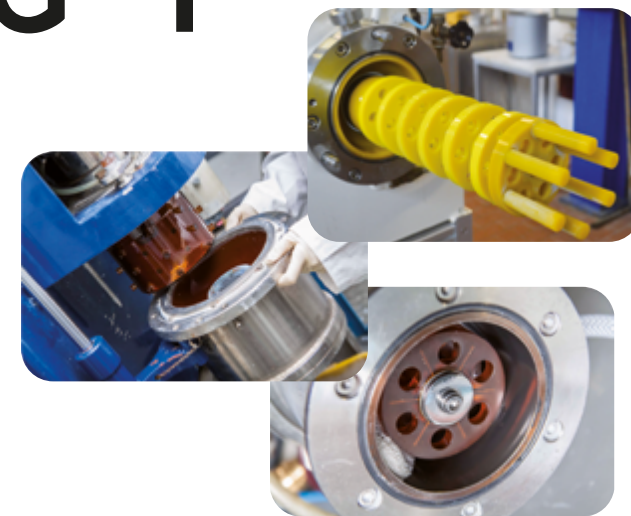
INFORMATION

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GVT PROFESSIONAL COURSE ONLINE



12th – 14th October 2020
Online

Grinding and Dispersing with Stirred Media Mills

Online Webinar

Scientific Administration:
Prof. Dr.-Ing. Arno Kwade
 TU Braunschweig
 Institut für Partikeltechnik

Organizer:
GVT Forschungs-Gesellschaft
 Verfahrens-Technik e.V.

In cooperation with



Schedule

Monday, 12th October 2020

Time (CET)	Program
08:30 – 09:00	Welcome and Registration
09:00 – 10:45	Basic Introduction and Type/Design of Stirred Media Mills
10:45 – 11:00	Break
11:00 – 12:45	Models to describe Grinding and Dispersing Results
12:45 – 13:30	Lunch Break
13:30 – 15:15	Application of the Models for Stirred Media Mills

At the end of each thematic block all participants will have the opportunity to discuss questions with the lecturers.

Schedule

Tuesday, 13th October 2020

Time (CET)	Program
09:00 – 10:30	Workshop
10:30 – 10:45	Break
10:45 – 12:30	Transport Behaviour and Power Draw
12:30 – 13:15	Lunch Break
13:15 – 14:45	Workshop

In addition to the presented thematic blocks, further aspects will also be provided as video material for all participants. These can be viewed directly on the respective event days as well as a convenient time after the event.

Schedule

Wednesday, 14th October 2020

Time (CET)	Program
09:00 – 10:45	Operation of Stirred Media Mills and Scale-up
10:45 – 11:00	Break
11:00 – 12:30	Workshop
12:30 – 13:00	Discussion
13:00	End of Event

(subject to change without notice)

Lecturers

- Prof. Dr.-Ing. A. Kwade
- Dr.-Ing. I. Kampen
- Dr.-Ing. S. Breitung-Faes
- and others

Operation and Process Design of Stirred Media Mills

Grinding and dispersing with stirred media mills represent important process steps in many branches of industry. Knowledge of the physical phenomena inside the mill and industrial applications have increased significantly in the last 15 years.

This course gives an overview about today's mill designs available on the market as well as the physical phenomena of grinding and dispersing in stirred media mills. Within the included workshop you will be trained on how to use this knowledge for the design and optimisation of grinding and dispersing processes. Furthermore, process models to describe the grinding process in stirred media mills are presented and their application is demonstrated practically.

Moreover, the effect of important operating parameters on the grinding and dispersing result as well as the transport behaviour and operating modes of stirred media mills are presented. Last but not least, design aspects of stirred media mills followed by questions concerning scale-up are addressed.

The seminar includes lectures, discussions and experimental demonstrations. During the workshop participants are guided through calculation examples in order to apply and practice models for process design, operation and scale-up.

Key Aspects of Course Content

- Grinding and dispersing machines
- Fundamentals of particle size analysis
- Particle stress, particle breakage and stress models
- Important operating parameters and their influence on product quality
- Transport behaviour and mode of operation
- Product and process design
- Wear effects
- Scale-up

Individual Seminar

As a special offer, IPAT provides a seminar on stirred applications and requirements. If you are interested in an individual seminar, please contact IPAT for further information. The Seminar can be held in English or German.

Participants

The course is addressed to laboratory assistants, technicians, process operators and engineers/academics from industry or research with/without existing knowledge in the field of grinding and dispersing.

