

Suspensions and Emulsions

Dispersion & Characterization

21st to 22nd of June 2017

EZD, Selb

Registration fee
1.050,00 EUR plus VAT

Wednesday, June, 21st 2017

- 09:00 **Greetings and Introduction**
Dr.-Ing. Felipe Wolff-Fabris, SKZ/EZD, Selb
- 09:15 **Basic principles on particle/droplet size and agglomeration**
Dr.-Ing. Felipe Wolff-Fabris, SKZ/EZD, Selb
- 10:00 **Wetting aids & stabilizing agents**
Dr.-Ing. Felipe Wolff-Fabris, SKZ/EZD, Selb
- 10:45 **Coffee break**
- 11:00 **Fundamental of wet grinding and dispersing processes**
Dr.-Ing. Stefan Mende, NETZSCH Feinmahltechnik GmbH, Selb
- 11:45 **Survey of wet grinding and dispersing systems**
Dr.-Ing. Stefan Mende, NETZSCH Feinmahltechnik GmbH, Selb
- 12:30 **Lunch break**
- 13:30 **Mixing, Dispersing, Emulsifying: Ultrasonic applications from lab and bench-top to industrial production**
Thomas Hielscher, Hielscher Ultrasonics GmbH, Teltow
- 14:15 **High and middle pressure homogenizers**
Dr.-Ing. Stefan Mende, NETZSCH Feinmahltechnik GmbH, Selb
- 15:00 **3-Roll-Mills**
Dr.-Ing. Felipe Wolff-Fabris, SKZ/EZD, Selb
- 15:45 **Hands-on experience: Dispersion methods**
Live tests using different dispersing machines in the facilities of the European Center for Dispersion Technologies
- 18:30 **Evening event:**
Discovering Selb, the heart of Germany's Porcelain

Subject to alterations - Complete seminar program at www.skz.de/4683

Thursday, June, 22nd 2017

- 09:00 **Photo-optical in-line characterization of droplets, bubbles and particles in multiphase flows**
Dr. Mirko Wegener, SOPAT GmbH, Berlin
- 09:30 **Laser diffraction**
Dr.-Ing. Felipe Wolff-Fabris, SKZ/EZD, Selb
- 10:00 **Characterization of droplets and nanoparticles by dynamic light scattering**
André Nogowski, SKZ/EZD, Selb
- 10:30 **Coffee break**
- 10:45 **Zeta-potential measurements**
Rodrigo Renato Retamal Marín, TU Dresden
- 11:15 **Sedimentation analysis**
Martin Müller, SKZ/EZD, Selb
- 11:45 **Rheology - Part I: how to measure viscosity correctly**
Torsten Remmler, Malvern Instruments GmbH, Herrenberg
- 12:30 **Lunch break**
- 13:30 **Rheology - Part II: visco-elastic properties of dispersions**
Torsten Remmler, Malvern Instruments GmbH, Herrenberg
- 14:15 **Hands-on experience: Characterization methods**
Live tests in the facilities of the EZD: Possibility to characterize samples brought by the participants (free of charge)
Please inform us in advance: ezd@skz.de
- 15:45 **End of seminar**

About this seminar:

Besides the presentations in the seminar room, the practical demonstrations in our laboratories will allow you to establish valuable correlations between theory and real applications of emulsions and suspensions. The participants of the seminar have the possibility to bring their own samples for characterization free of charge.

Register now! www.skz.de/4683



Fichtelgebirge

www.landkreis-wunsiedel.de

Eine Region zum Verlieben