

Anton Paar Nordic Rheology Power Week 2022

Venue: Anton Paar Nordic AB,
Hästvägen 4E | 212 35 Malmö | Sweden
October **10 – 14**, 2022

- Oct 10-11:** Basics of Rheology, 2-day seminar
- Oct 12:** RheoCompass™ Software Training
- Oct 13:** Rheology of Polymers / Dynamic Mechanical Analysis
- Oct 14:** Bitumen Rheology seminar and workshop

Speaker Profile – Markus Nemeth



Markus Nemeth completed a degree in Chemical Engineering at the University of Applied Sciences Esslingen, Germany with the focus on paint and coatings. He has gained a wealth of experience in the field of practical rheology during the last 10 years with the rheometer manufacturer Anton Paar Germany. Meanwhile he has held seminars and trainings for employees of companies and institutes from a wide range of technical branches all over the world. These seminars are giving information on the basics of rheology and rheometry as well as on a useful transfer of this knowledge into industrial practice.

Dear valued customers,

Anton Paar Nordic AB invites you to the “Rheo Power Week 2022”.

This workshop is targeted to people interested in a 2-day Rheology basics seminar, RheoCompass™ Software Training or single application days for Polymers / Dynamic Mechanical Analysis or Bitumen Rheology seminar and workshop.

You can choose between the 2-day seminar, the RheoCompass™ Software Training or the single application days or of course join all together.



Program

Oct 10	Day 1 Rheology Basics Seminar – Part 1
08:30	Registration and coffee
09:00	Opening – Anton Paar
09:30	Introduction Rheology and Viscosity test methods: From empirical to absolute measurements; Definitions of shear stress, shear rate, viscosity
10:00	Coffee break
10:15	Rotational tests and their application types of flow behavior
11:15	Short break
11:30	Types of flow behavior, thixotropy, temperature dependency
12:30	Lunch
13:30	Continuation of temperature dependency and avoiding measurement errors
15:00	Coffee break
15:30	Workshop: Problem solving with rheometers
17:00	End of the seminar
19:00	Dinner

Oct 11	Day 2 Rheology Basics Seminar – Part 2
09:00	Introduction visco-elastic behavior; Definitions of deformation, shear moduli, ideal elastic behavior; Introduction to oscillatory tests
10:30	Coffee break
10:45	Oscillatory measurements and their applications, amplitude sweep
10:45	Short break
11:50	Oscillatory measurements and their applications, frequency sweep
12:30	Lunch
13:30	Time-dependent visco-elastic behavior: recovery, gelling, curing temperature; Dependent visco-elastic behavior: DMTA, gelling, curing
15:00	Coffee break
15:15	Workshop: Problem solving with rheometers
16:30	End of seminar

Oct 12	Day 3 RheoCompass™ Software Training
08:30	Registration and coffee.
09:00	Opening – Anton Paar
09:15	Introduction to RheoCompass™
10:30	Coffee break
11:00	Setup of measurements, Analysis, Reports, etc.
12:30	Lunch
13:30	Special Settings; First practical measurements on MCR Rheometers
15:00	Coffee break
15:30	Practical measurements on MCR Rheometers
16:30	Final discussion
17:00	End

Oct 13	Day 4 Rheology of Polymers / Dynamic Mechanical Analysis
08:30	Registration and coffee
09:00	Determination of appropriate tests to characterize polymers and interpret the generated data (flow curves, amplitude and frequency sweeps, DMA in torsion, bending, tension and compression)
10:30	Coffee break
10:45	Characterization of changes in viscoelastic properties over a range of temperatures
12:00	Lunch
13:00	Identification of melt temperature, glass transition temperature, and curing kinetics
15:00	Utilization of the appropriate measuring hardware based upon the sample to be measured
17:00	End

Oct 14	Day 5 Bitumen Rheologi seminar and workshop (Andreas Lutz)
08:30	Registration and coffee
09:00	Basics of asphalt rheology as well as state-of-the-art measuring methods Measurements in rotation and oscillation. Standard measurements according to e.g. DIN 14770, AASHTO T 315 and MSCR
10:30	Coffee break
10:45	Softening point (ring/ball measuring system), breaking point, flash point testing
12:00	Lunch
13:00	Practical measurements of participants' own samples, open discussion
15:00	End

Registration form

The seminar will take place from Oct 10 – Oct 14, 2022 venue Anton Paar (it is possible to participate in each course separately or all together): Anton Paar Nordic AB, Hästvägen 4E, Malmö in Sweden and will be held in English by Markus Nemeth and Andreas Lutz (Bitumen Rheology).

Please send the registration to info.se@anton-paar.com

Please choose from possibilities below to participate. Group discounts are available. Please ask for details.

Basics of Rheology – seminar

Venue: Anton Paar Nordic AB, Hästvägen 4E, Malmö Sweden

- Oct 10-11**
2-day seminar incl. dinner on the 10 oct and 2 hotel nights; Price: SEK 13780 excl. VAT (check-in Oct 9, check-out Oct 11)
- Oct 10-11**
2-day seminar incl. dinner on the 10 oct and 1 hotel night; Price: SEK 12190 excl. VAT (check-in Oct 10, check-out Oct 11)
- Oct 10-11**
2-day seminar incl. dinner on the 10 oct, without hotel reservation; Price: SEK 10060 excl. VAT

RheoCompass™ Software Training

Venue: Anton Paar Nordic AB, Hästvägen 4E, Malmö Sweden

- Oct 12**
1 training day incl. 1 hotel night; Price: SEK 5830 excl. VAT (check-in Oct 11, check-out Oct 12)
- Oct 12**
1 training day, without hotel reservation; Price: SEK 4420 excl. VAT

Rheology of Polymers / Dynamic Mechanical Analysis

Venue: Anton Paar Nordic AB, Hästvägen 4E, Malmö Sweden

- Oct 13**
1 application day incl. 1 hotel night; Price: SEK 5830 excl. VAT (check-in Oct 12, check-out Oct 13)
- Oct 13**
1 application day, without hotel reservation; Price: SEK 4440 excl. VAT

Bitumen Rheology seminar and workshop (Andreas Lutz)

Venue: Anton Paar Nordic AB, Hästvägen 4E, Malmö Sweden

- Oct 14**
1 application day incl. 1 hotel night; Price: SEK 1410 excl. VAT (check-in Oct 13 check-out 14)
- Oct 14**
1 application day, without hotel reservation; Free of charge

Please feel free to bring your computer and samples if possible. We are looking forward to seeing you

Registration form

Mr. _____ Mrs. _____

Name

Company

Address

Telephone

Email address

Please note:

The last day of registration **extended to September 1, 2022.**

Contact: info.se@anton-paar.com

Please send the registration to:
info.se@anton-paar.com