

AGENDA

Characterization Techniques for Powders, Particles, and Porous Media

Day 1 Seminar

8:30 Welcome and introductions

8:45 Powder flow and fluidization
Theoretical background
Measurement concept
Applications

10:00 Coffee and discussion

10:15 Particle size and distribution
Theoretical background of laser diffraction
Measurement concept
Applications

11:30 Lunch (provided)

12:30 Bulk density, porosity, and surface area
Theoretical background
Measurement concept
Applications

13:45 Coffee and discussion

14:00 Demonstration powder flow and fluidization

15:00 Demonstration particle size and distribution

16:00 Demonstration of bulk density

17:00 End of seminar

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Day 2 Optional Hands-on Workshop

AM Measurements using the following devices

MCR Powder Rheometer

Litesizer 500 Particle Size and Zeta Potential Analyzer (dynamic light scattering)

PSA 1190 Particle Size Analyzer (laser diffraction)

Upon availability:

Ultrapycnometer

NOVAtouch (Surface Area and Pore Size Analyzer)

11:30 Lunch (provided)

PM Measurements and discussion

16:00 End of Hands-on Workshop