

Powder and Particle Bootcamp

Characterizing Porous Materials: Quantitative determination of surface area, pore size, pore volume, and specific gas-solid interactions

Agenda

Tuesday November, 07 all day

10:00	Surface area: why do we measure it? Physisorption and surface area analysis: measurement principles and calculations
11:30	Coffee break
11:45	Introduction to pore size distributions: why do we measure them? Physisorption and pore size analysis: measurement principles and calculations
13:15	Lunch break
14:00	Autosorb 6100 high vacuum micropore analyzer with Q&A
14:45	Introduction to chemisorption: what is this and why is it different from physisorption? Chemisorption measurement principles and calculations
16:00	High pressure analysis (gas storage): measurement principles and calculations
16:45	Macropore analysis: an introduction to mercury intrusion porosimetry
17:30	Q&A
18:00	End