

Palas® Training Course “Particle Measurement from nano to micro“

Tuesday, 10 September 2019, 8:30 am to 4:30 pm
Palas GmbH, Greschbachstr. 3b, 76229 Karlsruhe, Germany

Content

Application of the optical aerosol spectrometers and the nanoparticle measurement technology

Theory (focus 1/2):

1. Operation principle and special features of the Palas® aerosol spectrometers
2. Application areas of the welas® digital and Promo® systems, selection of the sensors
3. Operation principle and characteristics of the nanoparticle measurement systems
 - a. Condensation particle counter (UF-CPC system)
 - b. Aerosol electrometer (Charme®)
 - c. Universal scanning mobility particle sizer (U-SMPS system)
4. Application areas of the nanoparticle measurement systems and combination possibilities with Palas® aerosol spectrometers (U-RANGE)

Practice (focus 1/2):

1. Start-up of different Palas® aerosol spectrometers (welas® digital system, Promo® system, presentation of the software)
2. Remote control and operation of the measurement instruments
3. Measurement with an optical light scattering spectrometer and detection and avoidance of coincidence
4. Possibilities of the software evaluation of the data
5. Measurements with the condensation particle counter system UF-CPC and the U-SMPS system

Speakers:



Dr.-Ing. Frederik Weis
Division Manager Nanoparticle
Measurement Systems



Dipl.-Ing. (FH) Sven Schütz
Sales & Applications Engineer



Dipl.-Ing. (FH) Martin Schmidt
Division Manager Aerosol
Technology and Filter Test Systems