Half Day Short Course

EuroAnalysis Geneva 2023
27-31 August 2023 Switzerland

A03. Introduction to Inductively Coupled Plasma Mass Spectrometry (ICPMS)

Content

1. Fundamental Aspects of ICPMS
   - Ion Source Characteristics
   - Mass Spectrometer Types
   - Operating Conditions
   - Figures or Merit
2. Sample Introduction
   - Solution-based
   - Solid Sampling
3. Method Development
   - Spectral Interferences
   - Matrix Effects
   - Data Acquisition

Details

Instructor	Dr. Bodo Hattendorf ETH Zurich
Date	27 August 2023
Time	13:30–16:30 h
Duration	3 h plus coffee break
Location	CICG Geneva
Fees	130 CHF (delegate) 80 CHF (student)
Included	Coffee break If booking 2 courses: lunch

Instructor

Dr. B. Hattendorf

Dr. Bodo Hattendorf is a senior scientist in the Group for Trace Element and Microanalysis at ETH Zurich.

He has 25+ years of experience in ICPMS-related instrument and method development in industry and academia.

His research interests span from instrumental developments to establishing novel applications for real world analytical problems.

His experience covers all sorts of mass spectrometer types (quadrupole, sector field, time of flight and recent MS/MS technology) and various sample introduction techniques including laser ablation and single micro-droplet introduction approaches.

He has taught various short courses in (LA-) ICPMS and serves as regular instructor for ICPMS in the continuing education program of the Swiss Chemical Society.