Training Course

Innovative Elemental Analysis for Materials Science and Engineering

Addressing compositional deviations and pollutants in circular materials

21 - 22 Apr 2026

Berlin

Training Chair

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This practice-oriented training course teaches advanced methods of elemental analysis in materials science and engineering. It is aimed at professionals who want to expand their knowledge in the precise determination of chemical compositions and accurately assess chemical variability and impurities.

Topics and Contents:

- Inductively Coupled Plasma-Mass Spectrometry/-Optical Emission Spectroscopy (ICP-MS/-OES)
- Atomic and Molecular Absorption Spectroscopy (AAS, MAS)
- X-ray Fluorescence Spectroscopy (XRF)
- Glow Discharge-Optical Emission Spectroscopy (GD-OES)
- Focus on ICP-ETV, LA/ICP-MS and HR-CS-GFMAS
- Applicability to similar ICP-MS/-OES and AAS/MAS methods
- Application examples: Practical case studies from various industries
- Interpretation of analysis results

Target Audience:

This training course is designed for engineers and managers in materials science, materials engineering, quality control, and production engineering who want to expand their knowledge of elemental analysis.

Your Benefits:

- Learn an overview of today's most relevant methods of elemental analysis.
- Address compositional variations and pollutants like PFAS with the precision of elemental analysis.
- Exchange ideas with experts.
- Gain hands-on laboratory experience with real-world applications and samples.

Registration and further information:

Visit our website for detailed information on content, prices and registration:

https://dgm.de/go/5602