



advanced microanalysis solutions



**New methods for interpretation of mappings: Correlating Phase Map Spectra with Library Matching for Conclusive Solutions and TEAM 3D Software for analyzing 3D EDS maps**

Dr. Michaela Schleifer, Dr. Jens Rafaelsen, Dr. Patrick Camus, Ametek GmbH, EDAX Business Unit, Kreuzberger Ring 6, 65232 Wiesbaden, Germany; EDAX Inc. , 91 McKee Dr, Mahwah, NJ 07430, USA

Spectrum library matching is a quick and convenient method for conclusively identifying compounds present in a material. With an easy to use workflow, the software matches an 'unknown' spectrum to a library of reference spectra. The result is a confidently identified material solution without relying on data interpretation or the skill of the analyst. The library can be customized according to sample types and industry needs. To associate phase mapping and library matching you get a complete materials identification.

The new TEAM 3D software gives the user the possibility to get a lot of information's from 3d EDS mappings. After preparing a cube you can extract phases, spectra from phases and linescans and doing quantification.