

XRF USER MEETING – DAY 1

Sample preparation and QC

EXCHANGE OF KNOWLEDGE, EXPERIENCE AND PRACTICAL TIPS BETWEEN XRF USERS

Zoom meeting

When: October Tuesday 19, 11:00 - 16:00 CET (break 13:00 – 14:00)

PROGRAM
11:00 – 11:10 Opening of the zoom meeting Bertil Magnusson & Camilla Junggren (organisers)
11:10 - 11:30 Introduction to sample preparation for XRF, Bertil Magnusson
11:30 – 12:00 Sample preparation – developments and findings to ensure repeatability, Martin Lischka, Herzog
12:00 – 12:30 Fusion of sulfide ores Rainer Schramm, Fluxana
12:30 – 13:00 The importance of loss on ignition determination for XRF analysis - several practical cases and results, Frédéric Davidts <i>XRF Scientific</i>
13:00 -14:00 Break for lunch
14:00 – 14:20 Quality control of matrix using scattering peaks, Anders Rindby, COX Analytical
14:20 – 14:40 Introduction to internal Quality Control (QC) Bertil Magnusson
14:40 – 15:00 QC in steel industry at Kanthal Petra Hedman, Kanthal
15:00 – 15:20 XRF instrument diagnostics Jakob Noreland & Payman Tehrani, Panalytical,
15:20– 15:40 Eurachem Guidance on method validation
15:40 – 16:00 Discussion – responding to chat
16:00 – End of meeting

Speakers – Day 1

HERE ARE THE SPEAKERS AT THE XRF MEETING 19 OCTOBER SHORTLY PRESENTED

	Bertil Magnusson Trollboken, organiser Analytical chemist worked mainly with spectroscopy (XRF ICP). Earlier Akzo Nobel and RISE. Author of guidance on measurement quality - Nordtest & Eurachem.		Camilla Junggren Kemistutbildarna & LAB Sweden AB, organiser of courses and user meetings with Kemistutbildarna & sales of reference materials and sample preparation equipment in LAB Sweden AB.
	Frédéric Davidts XRF Scientific Capital Equipment Sales Manager with more than 20 years' experience in XRF sample preparation. Previously at Socachim and R&D chemist at UCL.		Rainer Schramm Fluxana Chemist and XRF specialist. Founder of Fluxana, member of three DIN working groups.
	Jakob Noreland Malvern Panalytical Inorganic chemist with 20 years of experience as application specialist for XRF and XRD in the Nordic countries.		Payman Tehrani Malvern Panalytical Physicist and Sales representative in Sweden focusing mostly on XRF and XRD
	Anders Rindby Cox Analytical Systems Associated CEO 2003 - 2018 Professor in x-ray micro-analysis, Chalmers University of Technology,		Petra Hedman Kanthal AB Chemical engineer with over 20 years of experience in analytical chemistry in the steel industry.
	Martin Lischka Herzog Performing research and development in sampling and sample preparation focusing on automation		



XRF USER MEETING - DAY 2

WDXRF & EDXRF

EXCHANGE OF KNOWLEDGE, EXPERIENCE AND PRACTICAL TIPS BETWEEN XRF USERS

Zoom meeting

When: October Wednesday 20, 11:00 - 16:00 CET (break 13:00 – 14:00)

PROGRAM

11:00 – 11:10 Opening of the zoom meeting Bertil Magnusson & Camilla Junggren (organisers)
11:10 – 11:20 Introduction to WDXRF & EDXRF
11:20 – 11:40 XRF at Glencore Nikkelverk Torkild Eivindsson
11:40 – 12:00 XRF at Höganäs Anna Johnsson, Höganäs Sweden
12:00 – 12:20 Analysis of traces in geological samples with geo-trace-pak Szymon Stolarek, Rigaku
12:20 – 12:40 Embracing the change – How XRF technology supports the development of new technologies for green energy and the changes in the industry Kai Behrens, Bruker
12:40 – 13:00 XRF analysis of colloidal silica (aq solution) Björn Stolpe, Nouryon
13:00 -14:00 Break for lunch
14:00 – 14:20 Uranium & Gadolinium in extracts with EDXRF, Jonas Berntsen Westinghouse & Bertil Magnusson
14:20 – 14:40 Experience with XRF online instrument at Glencore Nikkelverk, Torkild Eivindsson
14:40 – 15:00 Chemical and Structural Analysis of Direct Reduced Iron using XRF and XRD Henrik Fahlquist-Hagert, Thermo. Fisher Scientific
15:00 – 15:20 Analysis of powdered metals Volker Hüchelkamp, Spectro
15:20 – 15:40 Introducing Eurachem Guidance on traceability
15:40 – 16:00 Discussion – responding to chat
16:00 – End of Zoom meeting

Speakers Day 2

HERE ARE THE SPEAKERS AT THE XRF MEETING 20 OCTOBER SHORTLY PRESENTED

	<p>Bertil Magnusson Trollboken, organiser Analytical chemist worked mainly with spectroscopy (XRF ICP). Earlier Akzo Nobel and RISE. Author of guidance on measurement quality - Nordtest & Eurachem.</p>		<p>Camilla Junggren Kemistutbildarna & LAB Sweden AB, organiser of courses and user meetings with Kemistutbildarna & sales of reference materials and sample preparation equipment in LAB Sweden AB.</p>
	<p>Torkild Eivindson Glencore Nikkelverk AS, Analytical chemist and XRF specialist. Earlier work at Elkem with silicon and ferroalloys. Now on-line XRF of process solutions – invited speaker.</p>		<p>Jonas Berntsen Westinghouse Analytical chemist working with XRF, ICP and wet chemistry wet chemistry.</p>
	<p>Björn Stolpe, Nouryon Specialist in atomic spectroscopy at the chemical analysis laboratory of Nouryon in Bohus, Sweden.</p>		<p>Henrik Fahlquist-Hagert Thermo. Fisher Scientific, Materials scientist in structural chemistry. Sales representative for XRF, XRD and spark-OES in the Nordic countries, United Kingdom and Ireland.</p>
	<p>Kai Behrens Bruker XRF Product Manager for the XRF product line of Bruker AXS</p>		<p>Anna Johnsson Höganäs Sweden Method developer in XRF, also working with ICP and titration. Earlier worked with image analysis and programming in close contact with customers.</p>
	<p>Volker Hückelkamp SPECTRO Physicist and XRF Application Scientist with more than 10 years of experience in benchtop and handheld XRF.”</p>		<p>Szymon Stolarek Rigaku Europe XRD and XRF Sales Manager with 20 years of experience in the industry and academia. Coordinating activities in Eastern Europe, Scandinavia and S. Africa.</p>



XRF USER MEETING – DAY 3

Handheld XRF

EXCHANGE OF KNOWLEDGE, EXPERIENCE AND PRACTICAL TIPS BETWEEN XRF USERS

Zoom meeting

When: October Thursday 21, 11:00 - 16:00 CET (break 13:00 – 14:00)

PROGRAM
11:00 – 11:10 Opening of the zoom meeting Bertil Magnusson & Camilla Junggren (organisers)
11:10 - 11:30 Introduction to measurement and handheld XRF, Bertil Magnusson
11:30 – 12:00 The XRF is a dumb machine and can only analyse that which you put in front of it, Maggi Loubser, Univ. of Pretoria
12:00 – 12:30 Pt Pd & Rh in spent catalytic converters with handheld XRF Mathieu Bauer, Thermo Fisher Scientific
12:30 – 13:00 Analysis of paint in boats, Carl Rönnow, Svenska båtunionen
11:45 – 12:00 Discussion – responding to chat
13:00 -14:00 Break for lunch
14:00 – 14:30 pXRF - Geological case study Johannes Holzäpfel Europe EMX
14:30– 14:50 Use of handheld XRF at RISE Andreas Fischer, RISE
14:50 – 15:20 Handheld XRF to identify foundries in sculpture, Maggi Loubser
15:20 – 16:00 Discussion – responding to chat
16:00 – End of meeting

Speakers – Day 3

HERE ARE THE SPEAKERS AT THE XRF MEETING 21 OCTOBER SHORTLY PRESENTED

	<p>Bertil Magnusson Trollboken, organiser Analytical chemist worked mainly with spectroscopy (XRF ICP). Earlier Akzo Nobel and RISE. Author of guidance on measurement quality - Nordtest & Eurachem.</p>		<p>Camilla Junggren Kemistutbildarna & LAB Sweden AB, organiser of courses and user meetings with Kemistutbildarna & sales of reference materials and sample preparation equipment in LAB Sweden AB.</p>
	<p>Johannes Holzäpfel Europe EMX Over 10 years of experience in the mineral exploration industry.</p>		<p>Maggi Loubser Univ. of Pretoria Analytical chemist with three decades specializing in XRF and has introduced XRF for art and conservation in Africa – invited speaker.</p>
	<p>Mathieu Bauer Thermo Fisher Scientific Analytical chemist and application Scientist for handheld XRF.</p>		<p>Carl Rönnow Svenska båtunionen Environment & Sustainability specialist and XRF project manager. Earlier Environment and Health Administration, City of Stockholm.</p>
	<p>Andreas Fischer Chemistry & Material, RISE Chemical engineer working in analytical chemistry with handheld and WD-XRF.</p>		

