

# XRF USER MEETING

EXCHANGE OF KNOWLEDGE, EXPERIENCE AND PRACTICAL TIPS BETWEEN XRF USERS

**When:** September Tuesday 21 – Wednesday 22 2021

**Where:** Matsmak (Food taste), Drakeg. 1, Göteborg, Sweden

**NOTE:** XRF course Monday 20 September 11:00-17:30

PROGRAM DAY 1 TUESDAY SEP 21	PROGRAM DAY 2 WEDNESDAY SEP 22
09:00 - 10:00 Registration - Swedish Fika&Exhibition	08:30 – 08:50 Experience with XRF online instrument at Glencore Nikkelverk, Torkild Eivindsson
10:00 - 10:10 Introduction Bertil Magnusson & Camilla Junggren (organisers)	08:50 – 09:20 Use of handheld XRF Maggi Loubser
10:10 - 10:40 XRF experience, Maggi Loubser	09:40 - 10:00 Analysis of paint in boats, Carl Rönnow, Svenska båtunionen
10:40 - 11:00 Quality control of matrix using scattering peaks, Anders Rindby, COX Analytical	10:50 – 11:10 Technical presentation handheld XRF Matthieu Bauer, <i>Thermo Fisher Scientific</i>
11:00 – 11:20 Technical presentations, Rainer Schramm, Fluxana	<b>10:00 – 10:40 Swedish Fika &amp; Exhibition</b>
<b>11:20 – 11:30 Pause</b>	10:40 – 11:00 Bruker Technical presentation
11:30 – 11:50 The importance of loss on ignition determination for XRF analysis - several practical cases and results, Frédéric Davidts <i>XRF Scientific</i>	11:00 – 11:20 Olympus Technical presentation
11:50 – 12:10 XRF at RISE – Handheld and laboratory instruments, Andreas Fischer, RISE	11:20 – 11:50 <b>Discussion forum</b> – Pitfalls in XRF. <i>Introduction</i> My biggest mistakes in XRF Bertil Magnusson, Trollboken <i>Discussion</i> Experience with XRF – Problems, misuse
12:10 – 12:30 XRF at Glencore Nikkelverk Torkild Eivindsson	11:50 – 12:10 Technical presentation Volker Hüchelkamp, Spectro
<b>12:30 – 13:30 Lunch &amp; Exhibition</b>	12:10 – 12:30 Benefits of XRF for polymer analysis Hitachi
13:30 – 13:45 XRF at Höganäs Anna Johnsson, Höganäs Sweden	<b>12:30 – 13: 30 Lunch &amp; Exhibition</b>
13:45 – 14:40 <b>Discussion forum</b> - Quality control of XRF instruments, analytical programs and sample preparation. Choice of QC samples and charts, setting control limits, rules for acceptance. •QC in steel industry, Petra Hedman, Kanthal •Discussion Quality Control	13:30 – 13:45 User presentation
14:40 – 15:00 Application Panalytical, Jakob Noreland	13:45 – 14:00 Analysis of high concentrations of silica in sol (aq solution) Björn Stolpe, Nouryon
<b>15:00 – 15:30 Swedish Fika &amp; Exhibition</b>	14:00 – 14:20 Technical presentation Henrik Fahlquist-Hagert, Thermo. Fisher Scientific
15:30 - 15:50 Sample preparation –developments and findings to ensure repeatability, Martin Lischka, Herzog	14:20 – 14:40 Handling speciation with XRF – example rutile and ilmenite, Christos Tsouris, ESAB
15:50 – 16:00 Eurachem Guidance , Bertil Magnusson	14:40 – 15:00 Technical pres. Rigaku, Szymon Stolarek
16:00 – 18:00 Vendors (4 min each) and exhibition	<b>15:00 – 15:30 Swedish Fika &amp; Exhibition</b>
<b>18:00 – 22:30 Cooking class and dinner</b>	15:30 – 16:00 Summary of the workshop
	<b>16:00 Workshop finish</b>



# Speakers

HERE ARE THE SPEAKERS AT THE XRF MEETING SHORTLY PRESENTED

	<b>Bertil Magnusson</b> Trollboken organiser Analytical chemist worked mainly with spectroscopy (XRF ICP). Earlier Akzo Nobel and RISE. Author of guidance on measurement quality - Nordtest & Eurachem		<b>Camilla Junggren</b> Kemistutbildarna & LAB Sweden AB organiser Organiser of courses and user meetings with Kemistutbildarna & sales of reference materials and sample preparation equipment in LAB Sweden AB
	<b>Björn Stolpe</b> , Nouryon Specialist in atomic spectroscopy at the chemical analysis laboratory of Nouryon in Bohus, Sweden.		<b>Christos Tsouris</b> ESAB - organiser Analytical chemist and XRF specialist providing technical support to labs within ESAB. Earlier worked in mining business and in the development of Malvern Panalytical's Zetium spectrometer.
	<b>Frédéric Davidts</b> 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		<b>Maggi Loubser</b> Univ. of Pretoria* Analytical chemist with three decades specializing in XRF in industry and at university and has introduced XRF for art and conservation in Africa. – invited speaker.
	<b>Anders Rindby</b> Cox Analytical Systems Associated CEO 2003 - 2018 Professor in x-ray micro-analysis, Chalmers University of Technology,		<b>Rainer Schramm</b> Fluxana Chemist and XRF specialist. Founder of Fluxana, member of three DIN working groups.
	<b>Jakob Noreland</b> Malvern Panalytical Inorganic chemist with 20 years of experience as application specialist for XRF and XRD in the Nordic countries		<b>Torkild Eivindson</b> Glencore Nikkelverk AS Analytical Chemist and XRF specialist. Earlier work at Elkem with silicon and ferroalloys. Now working with on-line XRF of process solutions
	<b>Petra Hedman</b> Kanthal AB Chemical engineer with over 20 years of experience in analytical chemistry in the steel industry		<b>Carl Rönnow</b> Svenska båtunionen Environment & Sustainability specialist and XRF project manager. Earlier Environment and Health Administration, City of Stockholm.
	<b>Mathieu Bauer</b> Thermo Fisher Scientific Analytical chemist and application Scientist for handheld XRF.		<b>Anna Johnsson</b> Höganäs Sweden Method developer in XRF, also working with ICP and titration. Earlier worked with image analysis and programming in close contact with customers.
	<b>Volker Hüchelkamp</b> – SPECTRO Physicist and XRF Application Scientist with more than 10 years of experience in benchtop and handheld XRF."		<b>Andreas Fischer</b> Chemistry & Material, RISE Chemical engineer working in analytical chemistry with handheld and WD-XRF
	<b>Henrik Fahlquist-Hagert</b> , Thermo. Fisher Scientific, Materials scientist in structural chemistry. Sales representative for XRF, XRD and spark-OES in the Nordic countries, United Kingdom and Ireland.		<b>Szymon Stolarek</b> , Rigaku Europe SE XRD and XRF Sales Manager with 20 years of experience in the industry and academia. Coordinating activities in Eastern Europe, Scandinavia and South Africa.
			<b>Martin Lischka</b> , Herzog Performing research and development in sampling and sample preparation focusing on automation



\*Maggi Loubser, invited speaker from School of Arts at University of Pretoria is invited speaker at the XRF User Meeting 2019 and we are looking forward meeting her and that she shares her XRF knowledge with us. Below a more extensive CV.

Maggi Loubser's career as an analytical chemist spans three decades specializing in XRF working in a wide range of industries including the nuclear industry, cement industry, at a university and as a consultant. Her wide experience includes deliverables such as building up an X-ray Analytical facility, overseeing, technical support to numerous laboratories, presenting lectures, hands on training and ultimately solving problems using XRF technologies. Whether as a manager, consultant, researcher or lecturer Maggi has had a taste of many aspects of the working world using XRF!

Today Maggi supports the mining and manufacturing industry in the training of chemists and calibration of WD and EDXRF spectrometers, assists in method development, does gap identification audits and walks the journey with a laboratory to address them. She works on handheld spectrometers, setting up custom calibrations for clients in mining and manufacturing, acting as an occasional crash test dummy for software developers and aims to introduce portable XRF as a benchmark technique for art and conservation in Africa. This gives her the opportunity to play with anything from shipwreck treasures to paintings from the old masters and heritage sculptures. Her latest challenge is the Tangible Heritage master's program and teaching science to students with a humanities background to equip them to better understand the materials they work with in conservation and research of cultural heritage objects.