

*Quality is never an accident.
It is always the result of
intelligent effort.*



From the Mine to the Product

Seminar at the MLU Halle -
Institute of Geosciences and Geography
Halle a.d. Saale, Germany
13–15 March 2017

From the Mine to the Product

When
March 13th (12:00) to
March 15th (13:00) 2017

Venue
Martin Luther University Halle/Wittenberg
Von-Seckendorff-Platz 3
D-06120 Halle (Saale)
Germany

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Tentative Program



Monday March 13

12:00 – 12:30 Welcome and coffee

Opening Presentation

12:30 – 13:30 **Different strategies for alternative cements by CO₂ reduction**
Herbert Pöllmann: MLU Halle

Raw Materials

13:30 – 14:30 **Sampling - the key to successful quality control**
Michael Hidding: FLSmidth

14:30 – 15:00 Coffee Break

15:00 – 15:30 **Innovation in X-ray sample preparation**
Roger Meier: FLSmidth

15:30 – 16:00 **How Essa® sample preparation equipment can support you in your daily work**
Rob Chapman: FLSmidth

16:00 – 16:55 **FLSmidth BulkExpert unmanned operation system – a success story**
Oliver Jakobs: FLSmidth, Karl-Heinz Rüttiger-Barth: HAUK & SASKO

16:55 – 17:?? **Institute Round Tour**

19:00 – ? Icebreaker

Tentative Program

Tuesday March 14

Quality and Process

08:30 – 09:00 **Do you control your quality well enough?**
Mette Dobel: FLSmidth

09:00 – 09:30 **Process monitoring in cement production**
Marcus Paul: Buzzi Unicem

09:30 – 10:00 **Unique total solutions for the cement and lime industry**
Roger Meier: FLSmidth

10:00 – 10:30 Coffee Break

10:30 – 11:00 **Disturbing effects on the clinkerization of opc-clinker**
Thomas Neumann: Schwenk Zement

11:00 – 11:30 **High level control of blending of raw materials**
Mette Dobel: FLSmidth

11:30 – 12:00 **Dosing to perfection – based on case studies**
Thomas Jennewein: FLSmidth Pfister

12:00 – 13:30 Lunch & Poster Session

Analytical Techniques

13:30 – 14:00 **AllScan - The innovative, smart PGNA analysis approach**
Steen Tokkesdal Pedersen: RTI

14:00 – 14:30 **Optimize your mine from ore to metal**
Uwe König: PANalytical

14:30 – 15:00 **The new Thermo Scientific™ CB Omni™ Fusion Online Elemental Analyzer**
Henning Rehbock: Thermo Fisher Scientific

15:00 – 15:30 **How QPA in minerals & mining profits from dedicated sample preparation**
Rainer Schmidt: Bruker AXS

15:30 – 16:00 Coffee Break

16:00 – 16:30 **The PLANET; Experience portable high resolution X-ray powder diffraction**
Bert Kinneging: Xplores

16:30 – 17:00 **SpectraFlow Online NIR Analyzer: applications in the cement and minerals industry**
Petra Mühlen: Spectraflow

17:00 – 17:30 **NIR-spectroscopy for quality control of the new hydraulic binder celitement**
Carolin Lutz: IAI- KIT

19:00 – ? Dinner

Tentative Program

Wednesday March 15

Research and Development

08:30 – 09:00 **Improvement of cements using carboxylic admixtures**
Kaden Ronny: MLU Halle

09:00 – 09:30 **Spectroscopical methods in characterisation of raw materials, products and residues**
Tobias Beirau: MLU Halle

09:30 – 10:00 **Requirements for materials in case of CO₂ storage applications**
Andreas Neumann: MLU Halle

10:00 – 10:30 **Synthesis of CSA cements using different raw materials and routes**
Sabrina Galluccio: MLU Halle

10:30 – 11:00 **Phase identification, quantification and correlation with technical properties in large sets of XRD measurements**
Thorsten Westphal: Uni Freiberg Sachsen

11:00 – 11:30 **Mineralogical carbonization reactions during cement hardening**
Christoff Svensson: MLU Halle

11:30 – 12:00 **Perovskites and their use – minerals and technical use**
Stefan Stöber: MLU Halle

12:30 – 13:00 **A new highly precise temperature control in the range of 0-80°C for XRD sample holders**
Michael Ecker: MESICON

13:00 Wind-up and closing

Poster

Niksch A.: Layered Lithium compounds – syntheses and properties

Kränzlein, E.: Heavy metal implacment of fly-ashed based foamed geopolymers

Schmidt S.: Improvement of insulation using modified thin mortar bed technique

Kretschmer, S.: Raw materials and their effect on moisture expansion and porosity of roof tiles

Otgonbayar, C.: Mono earth alcali REE phases – compositions and properties

Sachwitz S.: The use of secondary cementitious materials on the basis of leached clays and micas

F. F. Menezes, C. Lempp, A. Neumann, K.Svensson, H. Pöllmann: Geomechanical behaviour changes of a Bunter sandstone due to scCO₂ injection effects