SLIPER

SLIding PipE Rheometer

The new SLIding PipE Rheometer - SLIPER - was developed by Putzmeister and produced by Schleibinger. In cooperation with Putzmeister, Schleibinger has developed a series product from the prototype. The SLIPER allows quickly investigation of the pumpability of fresh concrete.

This device is suitable for laboratory and for the construction side.

An app on your smartphone controls Sliper and takes the analysis of the data.

NEW: eBT-V

eBT-V - mobile Rheometer for Fresh Concrete

combines two rheometers in one:

- on the one side classic measurements of the force on a shear body within a fresh concrete are performable.
- on the other side measurements with the widely-used vane or multiblades measuring cell are possible.
- robust
- network independent
- easy handling
- controlled by a smartphone app.

OTH OSTBAYERISCHE TECHNISCHE HOCHSCHULE REGENSBURG

27.

Conference

Rheology of Building Materials

March 07 – 08, 2018

OTH Regensburg
Faculty of Civil Engineering

Prof. Dr. Wolfgang Kusterle

OTH Regensburg, Galgenbergstr. 30, D-93053 Regensburg,
phone: +49 941 9431200; fax: +49 941 9431429; www.oth-regensburg.de

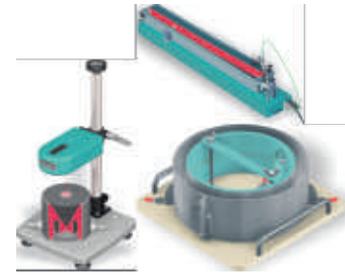
Building materials testing equipment from Schleibinger

CDF-, ASTM C666, Slabtest
frost test for concrete, natural stone, tile glue, aggregates etc.

Viskomat NT, Viskomat XL
to determine the workability properties of paste, mortar and fresh concrete

Vikasonic
measurement of strength development with ultrasound

Alkali-silica Reactor
for determining the resistance to the alkali-silica reaction



Shrinkage measuring techniques
for the long-term shrinkage, we recommend Shrinkage-Drains, the Shrinkage-Cone for a study of very early shrinkage, and the Thin-Layer-Shrinkage-System for the shrinkage investigations of thin layers.

NEW - ASTM-Shrinkage-Ring for measuring the restrained shrinkage according to ASTM C1581

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Colloquium

Wednesday, March 07, 2018, 09.30 am – 06.00 pm

Lecture hall D002, Galgenbergstraße 30

Program

Opening

Prof. Dr. Wolfgang Baier, President of the OTH Regensburg

Repeatability and reproducibility of measurement of rheological parameters of fresh mortars and concretes

Prof. Dr. Jacek Gołaszewski, Grzegorz Cygan, Silesian University of Technology / Politechnika Śląska, Gliwice, Silesia, Poland

A proposal for the simple determination of the yield point of non-Newtonian fluids as a physical parameter for the characterization of flowable building materials

Prof. Dr. Jürgen Quarg-Vonscheidt, Dipl- Ing. Katharina Sosinka, HS Koblenz, Germany

Squeeze flow of cement-based mortars: assessment of pressure distribution by dynamic mapping

Dr. Fabio A. Cardoso, Franco A. Grandes, Victor K. Sakano, Andressa C-A- Rego, Rafael G. Pileggi, Escola Politecnica, University of Sao Paulo, Brazil

Prediction of oil well cement rheology using a mathematical model

Prof. Dr. Ghada Bassioni, Ain Shams University, Cairo, Egypt

Advance rheology modifying admixture (ARMA) for concrete applications

Paloma Cristina Frías de León, David González Amago, José Manuel Gómez Gómez, Tolsa, Madrid, Spain

Gel formation capacity in mortars using mineral rheological additives under shear stress and the influence of dispersion

Alberto Fernández-Ibarburu, Pedro Díaz del Castillo, David González, Tolsa, Madrid, Spain

Screed additive - mode of action and application

Dr. Roland Augustin, IBF Institut für Baustoffprüfung und Fußbodenforschung, Troisdorf, Germany

Mixture stability of flowable concretes - rheological measurements to determine the influence of paste, mortar and aggregate

Ch. Begemann, D. Cotardo, T. Schack, Leibniz Universität Hannover, Hannover, Germany

Contribution of the coarse aggregates to rheology - effects of flow coefficient, particle size distribution, and volume fraction

Dr. Wolfram Schmidt, BAM Berlin, Germany

Assessment of rheological effects in the binder on the rheology of mortar and concrete

Sarah Leinitz, BAM Berlin, Germany

High-performance fein-grain concrete in the injection process

Ludwig Hertwig, Philipp Ulbricht, Prof. Holschemacher, HTWK Hochschule für Technik, Wirtschaft und Kultur, Leipzig, Germany

Pumping behaviour of modern concretes

Egor Secrieru, TU Dresden, Germany

Control of the rheological properties of self-compacting concrete

Ivan Paric, Markus Greim, Prof. Dr. Wolfgang Kusterle, OTH Regensburg, Regensburg, Germany.

Program DFG SPP 2005 - Rheology of reactive, multiscale multiphase construction materials

Prof. Dr. Viktor Mechtcherine, TU Dresden, Germany

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Workshop

Thursday, March 08, 2018, 9.00 am – 01.00 pm

House of Technology, Building J, Galgenbergstraße 30

Program

- **Thermal conductivity measurement on building materials**
  H. Taubmann – C3 Prozess- und Analysentechnik
- **SLIPER - Determining the Pumping Capacity of Concrete**
  M. Thumann, OTH Regensburg
- **Concrete Rheometer eBT-V**
  Dr. H. Keller, Schleibinger Geräte
- **Oscillation measurements on mortar and fresh concrete**
  M. Greim, Schleibinger Geräte

Language
German or English, slides in English

By the way
As years before, a get-together will take place in the evening of the first conference day with beer and roasts in the old town of Regensburg. Food and drinks on your expense.

Accommodation
www.hrs.de or www.regensburg.de

Driveway
Event location Galgenbergstraße 30, lecture hall D002 and for the workshop Haus der Technik, Building J. The lecture hall is signposted. From the A3 exit 100a (Universität/Klinikum), then follow the signs "Universität", turn into Galgenbergstraße, before the Faculty of Maschinenbau (Mechanical Engineering) turn left into one of the parking areas.

Buses from Hauptbahnhof/Albertstraße: line 6 (direction Klinikum – stop TechCampus/OTH) or line 11 (direction Burgweinting – stop OTH Regensburg).

Airport Nuremberg: 109 km; Airport Munich: 113 km.

Conference Fee
Participation is free for both days. Registration is required.

Registration
with full address by e-mail: anmeldung@schleibinger.com
or by fax: +49 8086 94731-14.

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