

Travel & Accommodation

The symposium will be held at Coudraystr. 11C, room 001. It is 1,3 km (about 15 min on foot) from the train station.

You can take any bus in front of the train station with the sign of „Verkehrt über Goetheplatz“ and then stop at „Goetheplatz“ station.

In the front of the train station you can also take a taxi.

Hotels

Leonardo Hotel Weimar

Belvederer Allee 25

99425 Weimar

Tel.: +49 (0) 3643/ 722 – 0

Mail: info.weimar@leonardo-hotels.com

Dorint

Beethovenplatz 1 - 2

99423 Weimar

Tel. +49 (0) 3643/ 872 – 0

Mail: info.weimar@dorint.com

Pension „La Casa dei Colori“

Eisfeld 1a

99423 Weimar

Tel. +49 (0) 3643/ 48 96 40

Mail: info@casa-colori.de

Pension „Die kleine Residenz“

Grüne Gasse 4

99423 Weimar

Tel. +49 (0) 3643/ 74 32 70

Mail: anfrage@residenz-pension.de

Organizer

Bauhaus-Universität Weimar

F.A. Finger-Institute for Building Materials

Chair for construction materials

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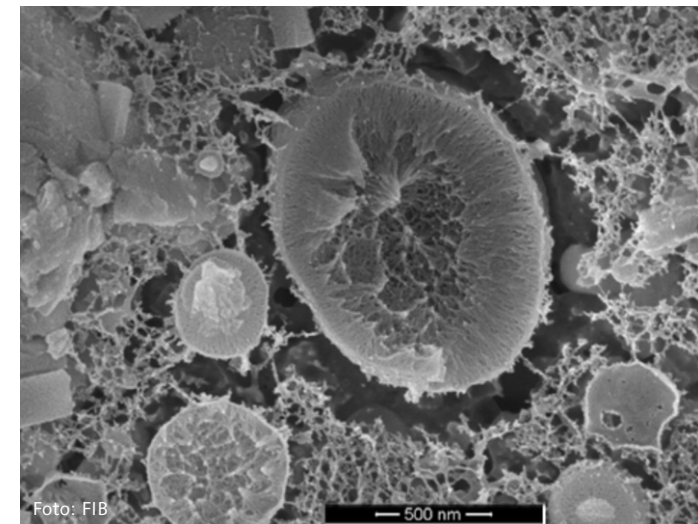
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Green concrete Symposium

Improving the sustainability of
concrete by using advanced
binding materials and concrete
design

01. June 2016, Weimar



Bauhaus-
Universität
Weimar


Universität
Stuttgart

TUM
Technische Universität München

FAU
FRIEDRICH-ALEXANDER
UNIVERSITÄT
ERLANGEN-NÜRNBERG


Leibniz
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Hannover

Welcome

It is expected that green concrete will be the most important material of the 21st century. At the time being, it is mainly produced in laboratories whereas its widespread application in the industrial market is still to come. A number of challenges need to be met including

- large-scale production of cements with lower carbon dioxide emissions
- search for new supplementary cementitious materials
- reduction of cement content without reducing concrete performance
- durability predictions for green concrete

One of the key aspects for the acceptance by the market will be the definition of categories that allow a classification of concrete with respect to its sustainability.

Venue

Bauhaus-Universität Weimar
F.A. Finger-Institute for Building Materials
Coudraystreet 11 C, Room 001
99423 Weimar, Germany



List of participants



Prof. Horst-Michael Ludwig
Bauhaus-Universität Weimar,
Germany

Dr. Hans Schipper

South German Climate Office at
Karlsruhe Institute of Technology,
Germany



Prof. Jørgen Skibsted
Aarhus University,
Denmark

Prof. Ángel Palomo

CSIC, Eduardo Torroja Institute for
construction Science,
Spain



Dr. Frank Winnefeld

Empa - Eidgenössische Materialprüfungs-
und Forschungsanstalt,
Switzerland

Dr. Günter Beuchle

Karlsruhe Institute of Technology,
Germany



Prof. Harald Justnes
SINTEF, Research Institute,
Norway

Dr. Michael Haist

Karlsruhe Institute of Technology,
Germany



Prof. Johann Plank
Technische Universität München,
Germany

Jochen Reiners
VDZ Düsseldorf,
Germany



Agenda

9:00 - 10:30

Prof. H.-M. Ludwig
Welcome and Introduction
Dr. H. Schipper
Climate change and CO₂
Prof. J. Skibsted
*Portland cement - Limestone
Calcined Clay Blends for Sustainable
Concrete*

10:30 - 11:00 break

11:00 - 12:30 Alternative Binders

Prof. Á. Palomo
*Alkali Activated Binders: Past, Present
and Future*
Dr. F. Winnefeld
*CSA cements - production, hydration
and durability*
Dr. G. Beuchle
Celitement and related materials

12:30 - 13:30 lunch break

13:30 - 14:30 Production of green concrete

Prof. H. Justnes
Influence of SCMs on concrete durability
Dr. M. Haist
*Sustainable concrete - challenges and
potentials*

14:30 - 15:00 coffee break

15:00 - 16:00 Durability and sustainability

Prof. J. Plank
Additives for green concrete
J. Reiners
*Life Cycle Assessment of cement and
concrete*

16:00 - 17:00 discussion and concluding remarks