

LEHM2020

International Conference on Building with Earth
30 October – 1 November 2020, Weimar, Germany

www.dachverband-lehm.de/lehm2020

CONFERENCE PROGRAMME

Friday, 30 October 2020

SESSION A FRI 9.00 : MIXED TOPICS

Ziegert C. / Röhlen U. / Schroeder, H. — Dachverband Lehm e.V., D

The success story of earth building material standards in Germany

Radeljić L. / Roswag-Klinge E. — ZRS architects engineers, D

Healing Garden Chamchamal – Transforming valuable building heritage into modern earthen architecture

Streiff F. / Goodhew S. — Parc naturel regional des Marais du Cotentin et du Bessin, F + University of Plymouth, UK

CobBauge – A hybrid walling technique combining mechanical and thermal performance

SESSION B FRI 11.30 : MODERN EARTH BUILDING

Jeske S. — Clément Vergély Architectes, F + Diener & Diener Architekten, CH

« L'ORANGERIE » – A new generation of earth building in Lyon

Haas M. — haascookzemmrich STUDIO2050, D

The Alnatura Campus building by haascookzemmrich STUDIO2050

Rauch M. — Lehm-Ton-Erde, A

Non-stabilised rammed earth – 100 % EARTH. Why is there so little trust in 100 %?

SESSION C FRI 14.00 : NEW RESEARCH

Liebrich C. — MFPA Weimar, D

Wallpapering earth walls – (Not) a good idea?!

Michette M. — University of Oxford, UK

Clay barriers for protecting historic buildings

Liblik J. — Tallinn University of Technology, EST

Properties of clay plaster for the fire design of timber structures

Wiehle P. / Brinkmann M. — BAM + TU Darmstadt, D

The load bearing capacity of earth masonry – an experimental and numerical analysis

SESSION D FRI 16:30 : MODERN EARTH BUILDING

Schneider W. — Institut für Baubiologie und Nachhaltigkeit – IBN, D

The new IBN Institute building: ecological building with earth plaster

Depta J. / Legge G. — LehmBauWerk + Architekturbüro Dipl.-Ing. Gereon Legge, D

Rammed earth wall lining at the Leibniz Institut in Potsdam / Rammed earth house in Falkensee

Kienzle P. — Xanten Archaeological Park, D

A low-tech depot for historical finds from Roman times

Circumstances permitting, the LEHM 2020 will go ahead in a slightly modified form with reduced visitor numbers to ensure the health and safety of speakers and attendees.

Please note that programme amendments are possible and may be unavoidable as a consequence of coronavirus restrictions. Status updates will be posted on the homepage.

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PARALLEL SESSION E FRI 14:00 : SUSTAINABLE BUILDING

Paul R. / Changali S. — Masons Ink, Bangalore, India

A study of the use of natural biopolymers in traditional earthen dwellings in Kerala, India

Pachamama, R. / Rezende M. / Faria P. — Built Environment and Sustainable Heritage – EA-UFMG, Brazil

Evaluating the properties of plaster: Normalization and valorization of popular knowledge in Brazil

Wolff B. / Ofori-Nyarko E. — D/Ghana

Earth LEGO at Lake Agege Farm – A sustainable building innovation from Ghana

Casillas Pintor J. — Departamento de Arquitectura, Urbanismo e Ingeniería Civil, Universidad Iberoamericana, Mexico

Regenerative incidence projects – Social building in Habitat Mx

PARALLEL SESSION F FRI 16:30 : EARTH BUILDING EDUCATION

Lee S-H. — TKK College, Xiamen University, China

Academic education in earth building in the context of China's "Fujian Tu-lou" world heritage site

Küsel C. / Wolff B. / Jörchel S. — Dachverband Lehm e.V., D

Current challenges in earth building education and training

Tourtelot J. / Ghattasi I. / Le Roy R. / Bourguès A. / Keita E. — Laboratoire Navier, Univ. Paris-Est, Champs-sur-Marne, F

Rheological behavior of earthen materials for 3D printing

Saturday, 31 October 2020

SESSION G SAT 8.30 : SUSTAINABLE BUILDING

Ben-Alon L. — University of Pittsburgh, USA

Life Cycle Assessment of earth building constructions – a comparison to conventional building constructions

Klinge A. / Roswag-Klinge E. / Radeljić L. / Bojic D. — ZRS Architekten Ingenieure, D

Earth building materials as an opportunity to reduce construction & demolition waste – the EU RE⁴ project

De Cooman K. — BC Architects, Belgium

BC materials manufactures circular building products from excavated earth in a process of urban mining

Schroeder H. / Lemke M. — Dachverband Lehm e.V., D

Assessing the ecological balance of earth building materials

PARALLEL SESSION H SAT 08.30 : INNOVATIVE PRODUCTS AND TECHNIQUES

Lange A. — ArgillaTherm, D

Modular natural heating and cooling systems made of earth

Meurer G. — WEM, D

Climate-regulating ceiling panels made of earth for an ideal indoor room climate

Röhlen U. — Claytec e.K., D

Fixing, tiling, machine processing – practical and efficient solutions for modern earth building

Volhard F. — Schauer + Volhard Architekten BDA, D

Wood needs mass – Improving timber construction with earth building materials

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Saturday, 31 October 2020 / continued

SESSION I SAT 11.00 : RENOVATION PRACTICE

Haupts H. — NO

Historical hybrid wood and earth constructions in Norway. Vapour-permeable surfaces as an answer to the challenges of renovation

Rocher S. / Yuffa A. / Ziegert C. — ZRS Ltd., UAE

Earth plaster as a means of treating salt efflorescence

van Ess M. / Blaschek J. / Ziegert C. — Deutsches Archäologisches Institut (DAI), D/Iraq

Preservation of the Iraqi Archaeological Architectural Heritage – Current conservation projects in Uruk (southern Iraq)

PARALLEL SESSION J SAT 11.00 : NORMS & REGULATIONS

McGregor F. / Maillard P. / Olivier M. / Misse A. et al. — ENTPE, University of Lyon + CRATERRE, France

Revising the French experimental standard for unfired earth blocks

The LEHM 2020, 8th International Conference on Building with Earth, is organised by the Dachverband Lehm e.V., the German Association for Building with Earth.

CONFERENCE VENUE

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D-99423 Weimar, Germany

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