



Monday 8 June 2026

Opening Reception – EPFL Laboratory of Construction Materials (LMC) and Courtyard

Tuesday 9 June 2026

830 Morning Coffee

900

Welcome and Logistics

Jason H. Ideker | Matthew P. Adams | Karen Scrivener

Historic Perspective

Karen Scrivener

Manufacture

Lead Talk | Current CAC Manufacturing Technologies Future Industry Perspectives

Herve Fryda (Imerys)

Conventional and Potential Alternative Non-conventional Raw Materials for the Production of Calcium Aluminates-based Cements Of Different Hydraulic Activity

Dominika Madej (AGH University of Krakow)

PRECIZE: a Novel Approach To Decarbonizing Specialty Binders Through Hydrogen Combustion

Bela Kumar (Imerys Technology Center Lyon)

Hydration Part 1

Lead Talk | Hydration and Conversion Reactions of Calcium Aluminate Cement with Reactive Calcite at Variable Temperatures

*Friedlinde Götz-Neunhoeffer (Mineralogy, Friedrich-Alexander-University Erlangen
Nürnberg)*

Influence of the Type and Amount of Calcium Sulfate on the Hydration of a C₁₂A₇-based Cement

Julian Wolf (Sabanci Technology Center GmbH)

The Role of Slag and Calcined Clay in the Hydration and Conversion of Calcium Aluminate Cement

Marijana Serdar (University of Zagreb Faculty of Civil Engineering)

Lunch

Tuesday 9 June 2026

Hydration Part 2

Quantification of the Metastable Calcium Aluminate Phases C_2AH_x Using an Extended Ponks Method

Julian Goergens (Hilti Group Vollzeit)

Influence of Curing Temperature on the Phase Composition and Microstructure of Calcium Aluminate Cement Bond Castables Subjected to Hydrothermal Conditions

Andreas Koehler (Almatis GmbH)

Reducing the Risk Of Explosive Steam Spalling Of Calcium Aluminate Bonded Refractory Concretes Through a Modified Hydration Path

Jean Michel Auvray (Imerys)

Admixtures and Rheology

Calcium Aluminate Cement Hydration under the Influence of Mineral Acids

Lukas Deffner (Chair for the Chemistry of Construction Materials)

Hydration Control Additives for OPC CAC Anhydrite System

Joerg Nehring (BASF Construction Additives GmbH)

Poster Pitches Followed by Break

Energy-Efficient 3D Printable Mortars Using CAC–WPC Blends and Microencapsulated PCMs

Ahmet Selim Engin; Melike Sucu; Sibel Sönmez (Çimsa Çimento)

Review of Conversion of Calcium Aluminates Cements: What Data Science Could Bring?

Bruno Espinosa (Institut de Recherche sur les Céramiques, IRCER)

Effects of Silica Nano-particles on Hydration Properties, Microstructure and Strength of Calcium Aluminate Cement

Renata Boris (Vilnius Gediminas Technical University)

Effect of Calcium Sulfate Source and Curing Temperature on the Hydration Behavior of CAC-OPC-C \dot{S} Ternary Systems

Özge Demirdogan (Sabanci Technology Center GmbH - Middle East Technical University)

Hydration of CAC-alumina Systems in the Presence of Silica Fume

Tillmann Schramm (Mineralogy, Friedrich-Alexander-University Erlangen Nürnberg)

Break and Poster Viewing

Tuesday 9 June 2026

Ettringitic Systems 1

Lead Talk | Incorporation of Metakaolin and Limestone in Ternary Binders of Portland Cement, Calcium Aluminate Cement and Calcium Sulfate: Hydration, Phase Development and Macroscopic Properties

Elsa Qoku (Institute for Building Materials Research (ibac)) | Jason H. Ideker (Oregon State University)

Development of Temperature-dependent Phase Composition During Hydration of Ternary OPC-CAC-C \dot{S} Mixtures With Two Different CAC Types

Friedlinde Götz-Neunhoeffer (Mineralogy, Friedrich-Alexander-University Erlangen Nürnberg)

Controlled Calcium Sulfoaluminate Synthesis and Influence of Superplasticizers on the Formation Kinetics

Hari Priya Ravindran (PSI, EPFL)

End of Day 1

Wednesday 10 June 2026

0830 – Morning Coffee

900

Ettringitic Systems 2

Understanding the Strength Development of Self Compacting Concrete Formulation Incorporating Calcium Aluminates as Strength Booster

Sarra El Housseini (Imerys)

Hydration Behavior of Quaternary CAC-OPC-C \dot{S} -SCM Systems Incorporating Supplementary Cementitious Materials Under Variable Curing Temperatures

Özge Demirdogan (Sabanci Technology Center GmbH - Middle East Technical University)

Ettringitic Accelerators: an Advancement for Cementitious Foams

Jean-Noël Bousseau (Imerys)

Fast And Stable: Calcium Aluminate Cements as Accelerators in Highly Heat-insulating Mineral Foams

Klemens Laub (IAB – Institut für Angewandte Bauforschung Weimar gGmbH)

Influence Of Sodium Lignosulfonate on the Performance of Ternary Based Cementitious Composites

Damla Nur Çelik (Gazi University)

Wednesday 10 June 2026

Poster Pitches Followed by Break

Calcium Aluminate Cement Saving Potentials
in Building Chemistry Products *Alexandra Gerz (Calucem)*

Assessment of Drying Behavior of CAC-based
Pastes Using Neutron Imaging Method at
Early Age *Damla Nur Çelik (Gazi University)*

Break and Poster Viewing

Biogenic Corrosion

Lead Talk | Performance Assessment Of Specialty Cements For Manhole Construction In
Australian Sewer Infrastructure

Marjorie Valix (The University of Sydney)

Modeling Cac Mortar Degradation Under Acetic Acid Exposure

Neven Ukrainczyk (TU Darmstadt)

Understanding Biodeterioration Mechanisms Of a Calcium Aluminate-based Coating Affected
By Substrate Cracking

Reem Hoballah (INSA Toulouse)

A Framework For Classifying Sewer Gas-phase Corrosivity Based On Material Response

Marjorie Valix (The University of Sydney)

Study Of the Durability Of Calcium Aluminate Cement On Wastewater Treatment Plant

Marielle Guéguen Minerbe (Université Gustave Eiffel)

Lunch

Session: Carbon Footprint

Sustainable Calcium Aluminate Cement Formulations: Partial Clinker Replacement With
Activated Chemicals

Buket Polat (Cimsa Cement)

Beyond Pozzolanicity: Metakaolin Is Key To the Surface Aspect Of Sustainable Flooring Mortars
Based On Ternary Binders

Alexandre Franceschini (Imerys)

Industry Panel: Embodied CO₂ and Sustainability in CA-Based Systems

Moderated by Kimberley E. Kurtis and Matthew P. Adams

Break for Conference Gala Dinner

Gala Dinner

Details on transportation to follow

Thursday 11 June 2026

830 – Morning Coffee

900

Session: Durability 1

Lead Talk | Calcium Aluminate Cements in Context: Comparative Performance for Conventional Concrete Applications

Kimberly Kurtis (Georgia Institute of Technology)

Ultra-rapid Hardening Repair Mortar with Amorphous Calcium Aluminates for Freezer Floor Applications at -25°C

Tomoki Katagiri (MU MATEX Co., Ltd.)

Durability of Concrete Containing Calcium Aluminate-based Mineral Accelerator

Barbara Benevenuti (Imerys)

Poster Pitches Followed by Break

Utilization of Granulated Slag as Aggregate and Alumina-bearing Scm in Cementitious Systems

Kelly Lau (Insight R&D)

Mathematical Modeling of Thermal Effects in Calcium Aluminate Cement

Hamidreza Karami (Quality Control Manager, Modalal Cement Co. Kermanshah, Iran)

Comparison of Durability of Calcium Aluminate and Sulphoaluminate Cements (CAC, CSA And HB-CSA) For Aggressive Environment

Bishwjeet Binwal (School of Chemical and Biomolecular Engineering, The University of Sydney)

The Durability of CAC Compared to Portland Cements in Cases of Biodegradation

Tony Pons (Université Gustave Eiffel)

Break and Poster Viewing

Thursday 11 June 2026

Durability 2

Long-term Evaluation of Rapid Concrete Repair Systems

Racheal Lute (University of Texas at Austin)

The Effect of Carbonation on Calcium Aluminate Cement with the Addition of Slag and Calcined Clay

Marijana Serdar (University of Zagreb Faculty of Civil Engineering)

Freeze–thaw Durability of CAC Assessed by Synchrotron Microtomography

Lucía Fernandez (Universitat Politècnica de Catalunya)

Deep-sea Performance of High-alumina Calcium Aluminate Cement: Durability Under 1000-2000 M In-situ Exposure

Keisuke Takahashi (Kagawa University)

Conference Closing Remarks

Elsa Qoku | Matthew P. Adams | Jason H. Ideker

Farewell Lunch – Stay or “Grab and Go”