

First International Conference On Precast Concrete

PRECON 2021

April 12-14, 2021 • Wuhan China

ORGANIZERS

Wuhan University of Technology, China

École Polytechnique Fédérale de Lausanne, Switzerland

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SCOPE

Concrete industry is a significant contributor to global CO₂ emission. This creates a pressing need for the researchers in the academia and industry to re-route the manufacturing of cement and concrete onto the sustainable path.

Pre-cast technologies for the preparation of cementitious materials have a major role to play in reducing the environmental impact of concrete. The factory conditions allow more eco-efficient mix designs, use of more innovative materials and manufacturing techniques, and fabrication of elements to better tolerances reducing waste and overdesign. At the same time, the hydration kinetics and microstructure of cementitious materials are altered under the accelerated curing conditions, which affects the durability and mechanical performances.

The First International Conference on Precast Concrete is dedicated to the science of pre-cast technologies and aims to provide a platform for academic scholars and industrial practitioners to show their research on the following topics.

CONFERENCE TOPICS

- Hydration kinetics under accelerated-curing conditions
- Microstructure evolution under accelerated-curing conditions
- Accelerated-curing technologies for manufacturing precast concrete
- New binders (cements, mineral admixtures)
- Chemical admixtures (esp. accelerators)
- Durability and service-life prediction
- Cracking susceptibility
- Mechanical properties (esp. brittleness)
- Energy-efficient processing technologies
- Smart manufacturing (additive manufacturing, smart sensing and control, etc.)

CALL FOR ABSTRACTS

Authors are invited to submit an one-page abstract (up to 300 words without figures and tables) for both oral and poster presentations in accordance with the Conference topics. The abstracts should be organized according to the template which will be provided on the Conference website. An extended abstract (4 pages) should be submitted after the notification of abstract acceptance.

IMPORTANT DATES

1 April 2020	Abstract deadline
1 August 2020	Notification of abstract acceptance
15 October 2020	Full paper submission
15 December 2021	Notification of full paper acceptance
1 January 2021	Early-bird registration
12-14 April 2021	Conference

CONTACT

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