

LOCATION

EURO-C 2022 will be held in Obergurgl, Austria. The „Diamond of the Alps“, as the secluded mountain village with international flair proudly calls itself, is located at the far end of the Ötztal in one of Tirol's and the Alps' finest ski areas. More information can be found on the website: <https://www.obergurgl.com/en/winter.html>.

REGISTRATION FEES

The registration fee includes the online open access proceedings, coffee breaks, the banquet, all social events (including the traditional skiing race) as well as daily lunch during the three days of EURO-C 2022, with early registration applicable if received before November 12, 2021.

Participants interested in receiving a hardbound printed copy of the proceedings can order them at additional costs when registering for the conference.

	Early	Late
Authors and Delegates	€ 745	€ 795
Bona Fide Students	€ 445	€ 495
Hardbound printed proceedings	€ 110	€ 110

Information on registration and booking of hotel accommodation is available on the conference webpage: www.euro-c.org.

IMPORTANT DATES

Abstract, deadline	July 15, 2021
Notification of acceptance	September 10, 2021
Full paper, deadline	November 12, 2021
Early registration, deadline	November 12, 2021
Speaker registration, deadline	January 14, 2022

EXHIBITIONS

Companies and/or publishers are kindly invited to exhibit their products and services. Interested exhibitors can find all necessary information on the conference website.

CONFERENCE VENUE

The conference venue is Gurgl Carat, a stunning architectural masterpiece which has only opened in 2020. Located in the heart of Obergurgl, the building's exterior is inspired by the facets of a fine diamond. Information on the venue is available at <https://gurgl-carat.com>.



Travelling by plane:

Closest to Obergurgl is Innsbruck Airport, with a distance of 50 km. Search for flights: <https://www.innsbruck-airport.com/en/passengers-visitors/flying/timetable>

Travelling by public transportation:

The Railway Station Ötztal Bahnhof has regular services of busses to Obergurgl Zentrum. It can be reached by train from all directions. Plan the journey: <https://tickets.oebb.at/en/ticket>

Travelling by car:

Use the Route Planner to find the most convenient travel route quickly. Google Route Planner: <https://bit.ly/3iosLUx>

CONFERENCE OFFICE

Martina Pöll

Technische Universität Wien (TU Wien)
Institute for Mechanics of Materials and Structures
Karlsplatz 13, 1040 Vienna, Austria

Tel: +43-1-58801-20211

Email: euro-c@tuwien.ac.at

Web: www.euro-c.org

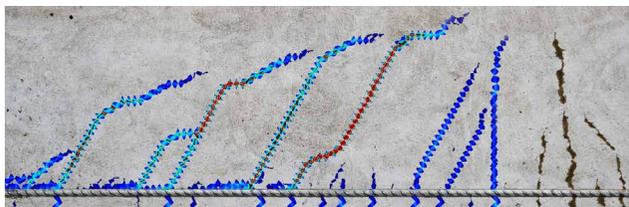


www.euro-c.org

CONFERENCE OBJECTIVES

EURO-C 2022 continues the series of conferences on computational methods and numerical models for the analysis of concrete and concrete structures.

Based upon the success of the first conference and its subsequent amalgamation with the Delft Concrete Mechanics Colloquia, the series of EURO-C conferences continued with venues always located in the Austrian Alps, such as in Zell am See (1990), Innsbruck (1994), Bad Gastein (1998), St. Johann im Pongau (2003), Mayrhofen in Zillertal (2006), Rohrmoos/Schladming (2010), St. Anton am Arlberg (2014), and Bad Hofgastein (2018). EURO-C 2022 will be organised in Obergurgl, located in the Ötztal, Austria.



Keeping the spirit of this long-standing tradition, EURO-C 2022 is aiming to bring together researchers and engineers involved in computational modelling of cementitious materials and the model-based design of concrete structures to review and discuss research advancements and to assess the applicability and robustness of methods and models for the analysis and design of concrete, fibre-reinforced and prestressed concrete structures, as well as masonry structures in engineering practice. Recent developments include methods of machine learning, novel discretisation methods, probabilistic models, and consideration of micro-structural aspects in multi-scale settings. Overall computational robustness of numerical predictions and mathematical rigour have further increased, implying the need for validation and respective experimental programmes.

The organisers hope, that EURO-C 2022 will continue to identify those research results and concepts which have proved to be robust, permitting a reliable, high-quality analysis and design of concrete structures, assessment of serviceability and safety of such structures and adoption in codes of practice or recommendations.

CONFERENCE TOPICS

Conference topics and invited papers will cover both computational mechanics and computational modelling aspects of the analysis and the design of cementitious materials and concrete structures:

- ▶ Computational modelling of plain, fibre- and steel reinforced, prestressed concrete, and masonry structures
- ▶ Multiphysics and multiscale approaches
- ▶ Methods for the assessment of serviceability and ultimate limits, robustness, long-term performance, sustainability, and performance under extreme conditions (e.g. fire, earthquake, blast)
- ▶ Reliability assessment and safety concepts
- ▶ Models for health monitoring, assessment of existing structures, structural repair, and self-healing
- ▶ Simulation methods for additive manufacturing, and modular construction of concrete structures
- ▶ Synthesis of data-driven, and simulation methods including Building Information Models

CALL FOR PAPERS

Abstracts on the above topics – not less than 400, but not more than 600 words – are invited by July 15, 2021. Upon review by the Advisory Scientific Committee, notification of acceptance will be given by September 10, 2021, when recommendations concerning the format of full papers will be sent to the authors.

Full papers will be published as an open access proceedings by CRC Press / Balkema and indexed in WoS, EI, and Scopus.

To ensure the production of the proceedings in time, full papers will be required by November 12, 2021.

Abstracts and full papers should be submitted online through the conference website at: www.euro-c.org.

Online open access to the conference proceedings will be available for the delegates at the conference. Participants interested in receiving a hardbound printed copy of the proceedings can order them at additional costs when registering for the conference.

CONFERENCE CHAIRMEN

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Bernhard PICHLER	TU Wien, Austria
Jan G. ROTS	TU Delft, The Netherlands

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