

## ACCOMMODATION

EURO-C 2018 will be held in Bad Hofgastein, Austria. Located in the heart of the Austrian alps, at the sunniest and broadest part of the Gastein Valley, Bad Hofgastein is the historical focal point of the valley and a high standard skiing resort. More information can be found on the website: [www.gastein.com/en](http://www.gastein.com/en).

## REGISTRATION FEES

The registration fee includes the proceedings, coffee breaks, the banquet, all social events (including the traditional skiing race) as well as daily lunch during the four days of EURO-C 2018, with early registration applicable if received before October 15, 2017.

	Early	Late
Authors and Delegates	€ 630	€ 690
Bona Fide Students	€ 330	€ 390

Information on registration and booking of hotel accommodation is available on the conference webpage at: [euro-c.tuwien.ac.at](http://euro-c.tuwien.ac.at)

## IMPORTANT DATES

<b>ABSTRACT, EXTENDED DEADLINE</b>	<b>MAY 15, 2017</b>
Notification of acceptance	June 15, 2017
Full paper, deadline	October 15, 2017
Early registration, deadline	October 15, 2017
Speaker registration, deadline	October 31, 2017

## 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.

## LOCATION

The four day conference EURO-C 2018 will be held in Bad Hofgastein, which can be reached by car or train. Closest to Bad Hofgastein are Salzburg Airport (distance 90 km), Innsbruck Airport (190 km), Munich Airport (distance 250 km), and Vienna Airport (400 km).

### Travelling by Train:

Bad Hofgastein Railway Station has regular services of trains to all airports (Salzburg, Innsbruck, Munich, and Vienna).

### Travelling by Car:

From Salzburg approx. 1 hour:

- Tauern highway A10 heading south to Bischofshofen, Gasteinertal exit, highway 167 to Gastein valley.

From Munich approx. 2 hours:

- Highway A8 to Tauern highway A10 heading south to Bischofshofen, Gasteinertal exit, highway 167 to Gastein valley.

From Innsbruck approx. 2 hours:

- Highway A12 to Wörgl, highway 312 via St. Johann/Tirol to Lofer, highway 311 via Zell am See to Lend, highway 167 to Gastein.

From Vienna approx. 4 hours:

- Highway A1 to Salzburg, Tauern highway A10 heading west to Bischofshofen, Gasteinertal exit, highway 167 to Gastein valley.

From the south:

- Drive via Villach, Möllbrücke, and Obervellach to Mallnitz. Then reach Gastein Valley comfortably by a car-loading rail service, or take the highway 167 to Gastein.

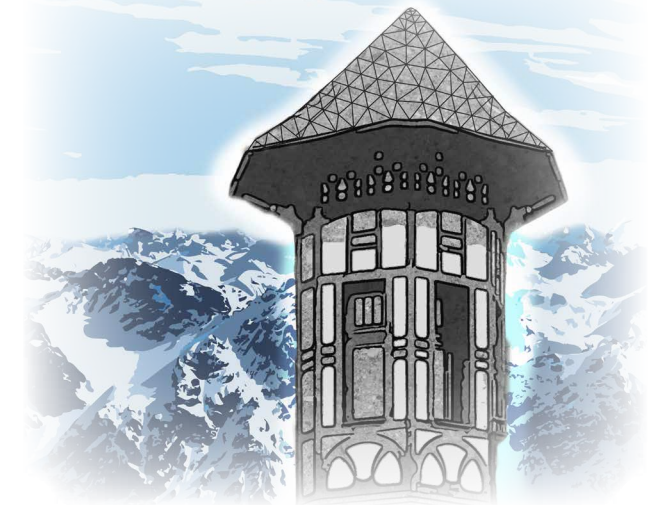
## CONFERENCE OFFICE

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# EURO-C<sub>2018</sub>



## COMPUTATIONAL MODELLING OF CONCRETE AND CONCRETE STRUCTURES

February 26 – March 01, 2018  
Bad Hofgastein, Austria

## CONFERENCE OBJECTIVES

EURO-C 2018 continues the series of conferences on computational methods and numerical models for the analysis of concrete and concrete structures. EURO-C 2018 will be dedicated to **Nenad Bicanic** († 2016), who was one of the founding fathers of the EURO-C conference series and a master of computational modelling of concrete. Nenad was a great personality, a warm-hearted colleague, and a dear friend. Ever since the first conference in 1984 in Split, Croatia, he was always curious about new trends in computational modelling and had pleasure in bringing together the concrete mechanics community by organizing unforgettable sessions, such as the “Bier Stub’n” discussions and skiing races.

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), and St. Anton am Arlberg (2014). EURO-C 2018 will be organised in Bad Hofgastein.

Keeping the spirit of this long-standing tradition, EURO-C 2018 is aiming to bring together researchers and engineers involved in computational modelling of cementitious materials to review and discuss research advancements and to assess the applicability and robustness of methods and models for the analysis of concrete, (fibre-)reinforced and prestressed concrete structures, as well as masonry structures in engineering practice. Recent developments include novel discretisation methods and consideration of micro-structural aspects within multi-field and 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 2018 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 Concrete, (Fibre-) Reinforced Materials, and Masonry

Modelling categories include plasticity, damage, micro-mechanics and fracture mechanics approaches and respective discretisation methods; multi-scale methods and models for fibre-matrix interactions; multi-physics methods, considering various couplings between mechanical, hygral, thermic, and chemical processes; creep, shrinkage, hydration models; rate dependency, dynamic loading.

### Computational Modelling of Concrete Structures

Plain, reinforced, prestressed, and fibre-reinforced concrete structures; masonry structures; robustness, serviceability and ultimate load behaviour; reliability assessment and safety concepts; cyclic loading and seismic analysis; durability and environmental aspects; structural repair and self-healing; performance under extreme conditions (e.g. fire, blast).

## CALL FOR PAPERS

Abstracts on the above topics – not less than 400, but not more than 600 words – are invited by May 15, 2017. Upon review by the Advisory Scientific Committee, notification of acceptance will be given by June 15, 2017, when recommendations concerning the format of full papers will be sent to the authors.

Full papers will be published by CRC Press / Balkema and indexed in WoS, EI, and Scopus.

Abstracts should be submitted online through the conference website at: <http://euro-c.tuwien.ac.at>.

Conference proceedings will be available for the delegates at the conference. To ensure the production of the proceedings in time, full papers will be required by October 15, 2017.

## CONFERENCE CHAIRMEN

Günther MESCHKE	Ruhr University Bochum, Germany
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Jan G. ROTS	TU Delft, The Netherlands

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