Participation fee
The registration/participation fee per person for the 7th WTA Colloquium – Maintenance of Concrete Buildings*:

<table>
<thead>
<tr>
<th>Category</th>
<th>Fee</th>
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</thead>
<tbody>
<tr>
<td>Guest</td>
<td>180.00 €</td>
</tr>
<tr>
<td>WTA member</td>
<td>120.00 €</td>
</tr>
<tr>
<td>Student in initial training</td>
<td>20.00 €</td>
</tr>
</tbody>
</table>

A limited number of students from TU Delft can participate free of charge. Registration is required.

*Price includes catering during the Colloquium and lunch.

Registration
Registration can be done via the registration form on the website.

https://www.wta-international.org/de/veranstaltungen/7th-wta-colloquium-maintenance-of-concrete-buildings/

An invoice will be sent to the participant as confirmation of the registration.

Venue
Delft University of Technology
Aula Conference Centre
Collegezaal A
2628 CC Delft
The Netherlands

Organizing committee
Dr. Barbara Lubelli, E-mail: b.lubelli@tudelft.nl
Susanne Schneider, E-mail: susanne.schneider@wta.de

Cancellation
If the registration is cancelled before the registration deadline, a processing fee of 80.00 € will be charged. For cancellations after the registration deadline, the full participation fee is due.

Guarantor
WTA – International, TC 5 Concrete
www.wta-international.org

Language
Colloquium language will be English.

The 7th WTA Colloquium –
Maintenance of Concrete Buildings
Strategies for the Conservation of Historic Concrete Structures
June 10th, 2022, Delft

Organisers:
International Association for Science and Technology of Building Maintenance and Monument Preservation – WTA International and the national group WTA NL-VL
TU Delft, Faculty of Architecture and the Built Environment, in collaboration with the JPI-CH Project CONSECH20

Scientific committee:
Prof. Dr.-Ing. Rolf P. Gieler
Prof. Dr.-Ing. Dipl. Chem. Andrea Osburg
Dr. Barbara Lubelli
Dr. ir. Wido Quist
## Foreword

Concrete heritage buildings from the 20th century are at risk, due to the absence of recognition of the historic values of these buildings as well as to the lack of knowledge of the specific characteristics of historic concrete structures. Frequently, solutions developed for repair of contemporary structures are applied to historic concrete buildings, resulting in interventions which are neither compatible nor durable.

The scope of the lectures includes the possibilities of new investigation methods and procedures of condition assessment, the application of innovative materials and the use of heritage precast concrete elements. In addition, main results from relevant case studies are presented.

The Colloquium aims at providing building owners, employees from planning and engineering offices, construction companies, concrete experts, architects and representatives of authorities, with the latest developments in the field of conservation of concrete historic buildings, as resulting from practice and from international research projects.

On behalf of the organizing team, the members of WTA - International (TC5 Concrete) and of the JPI-CH CONSECH20 project, we cordially invite you to the 7th Colloquium WTA - Strategies for the Conservation of Historic Concrete Buildings and Structures.

We are looking forward to meeting you in Delft!

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## Program

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter/Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>Credentials and registration</td>
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<tr>
<td>09:00</td>
<td>Welcome and introduction</td>
<td>Dr. Barbara Lubelli, TU Delft</td>
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<tr>
<td></td>
<td></td>
<td>Prof. Dr. -Ing. Rolf Gieler, Chairman of WTA TC5 Concrete, Ingenieur- und Sachverständigenbüro, Fulda</td>
</tr>
<tr>
<td>09:15</td>
<td>Overview of the project CONSECH20: CONSERvation of 20th century concrete Cultural Heritage in urban changing environments</td>
<td>Dr. Christiana Nunes, ITAM, Prague</td>
</tr>
<tr>
<td>09:45</td>
<td>Innovative materials and techniques for the conservation of the 20th century concrete-based cultural heritage</td>
<td>Prof. Dr. María J. Mosquera, University of Cádiz</td>
</tr>
<tr>
<td>10:15</td>
<td>Coffee break</td>
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<tr>
<td>10:45</td>
<td>Textile reinforced concrete - Opportunities for the restoration of historical concrete structures</td>
<td>Univ.-Prof. Dr.-Ing. habil. Jeanette Orlowsky, Werkstoffe des Bauwesens, Technische Universität Dortmund</td>
</tr>
<tr>
<td>11:15</td>
<td>Challenges of pre-cast concrete heritage - Examples from the Netherlands</td>
<td>Dr.-Ing. Herdis Heinemann, TNO, Delft</td>
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<tr>
<td>11:45</td>
<td>Lunch break</td>
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<td>During the lunch break two activities will be offered:</td>
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<tr>
<td></td>
<td>1) Demonstration on the Monument Diagnosis and Conservation System (MDCS)</td>
<td>Dott. Silvia Naldini, TU Delft</td>
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<td>2) Guided tour through the Aula building</td>
<td>Dr. ir. Wido Quist, TU Delft</td>
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**13:15** Surface Repair with Carbon Reinforced Concrete – practice examples

Dr.-Ing. Cynthia Morales Cruz
Leiterin Arbeitsgruppe „Erhaltung und Instandsetzung“, Ibac - Institut für Baustoffforschung, RWTH Aachen University

**13:45** Reinforced concrete architectures of the first half of the 20th-century in Genoa, Italy

Prof. Dr. Giovanna Franco
University of Genova

**14:15** Why is there a crack? Modern inspection methods for old concrete

Dr. Frank Lehmann
Materials Testing Institute University of Stuttgart

**14:45** Coffee break

**15:15** Good vs poor intervention practices on historic concrete structures in Cyprus

Dr. Antroula Georgiou
University of Cyprus

**15:45** From theory to practice: Degradation patterns and conservation strategies in concrete buildings built until the 1960s in the Netherlands

Dr. Gabriel Pardo Redondo
TU Delft

**16:15** Summary and conclusion

Dr. Barbara Lubelli, TU Delft

**16:30** End of the event