

INTER

INTERNATIONAL NETWORK ON TIMBER ENGINEERING RESEARCH

Bad Aibling, Germany
21 August – 25 August 2022

Venue:

B&O Parkhotel Bad Aibling
Dietrich-Bonhoeffer-Str. 31
83043 Bad Aibling
Germany

Sunday, 21 August

Informal get-together with music and drinks (Meet & Greet) at the B&O Parkhotel.

17:00 - 20:00

Monday 22 August

Registration and Opening

08:30 - 09:00

Technical sessions:

09:00 - 12:00

Lunch

12:00 - 13:00

Technical sessions

13:00 - 17:00

Guided tour through Wood City buildings at B&O area.

17.30 - 18.30

Welcome Reception with Bavarian brass music at the B&O Parkhotel.

18.30

Tuesday 23 August

Technical sessions

09:00 - 12:00

Lunch

12:00 - 13:00

Technical sessions

13:00 - 17:00

Gala Dinner at B&O

19.00

Wednesday 24 August

Excursion to timber structures and manufacturers in Bavaria and Tirol, Austria.

09:00 - 14:00

Ship departure to Herrenchiemsee Island. Visit to Castle Herrenchiemsee
and concert in Augustiner Chorherrenstift.

15:00

Dinner at the castle's restaurant.

19:00

Thursday 25 August

Technical sessions

09:00 - 12:00

Lunch

12:00 - 13:00

Technical sessions

13:00 - 15:00

INTER

INTERNATIONAL NETWORK ON TIMBER ENGINEERING RESEARCH

Bad Aibling, Germany
22 August – 26 August 2022

AGENDA

1 CHAIRMAN'S INTRODUCTION

2 INFORMATION FROM OTHER ORGANISATIONS

3 STRUCTURAL DESIGN CODES

55 - 102 - 1 EN 1995-1-1 for CEN Formal Enquiry – The Evolution of the Design of Timber Structures - **M Schenk, S Winter**

4 LOADING CODES

55 - 101 - 1 Proposed Design Methodologies for Timber Assemblies Subjected to Blast Loading - **G Doudak, C Viau, D Lacroix**

5 TEST METHODS

55 - 21 - 1 Contribution to the Testing, Evaluation and Design of Cross Laminated Timber (CLT) in Respect to Rolling Shear - **D Glasner, A Ringhofer, R Brandner, G Schickhofer**

6 FRACTURE MECHANICS

55 - 19 - 1 Beams with Notches or Slits – Extensions of the Gustafsson approach - **E Serrano, R Jockwer, H Danielsson**

7 FIRE

55 - 16 - 1 Influence of Temperature Resistance of Bond Lines on Charring of Glulam Beams - **A Just, S Aicher, J L Nurk, M Henning**

55 - 16 - 2 The Effective Width of Cross-Laminated Timber Rib Panels in Fire - **M Kleinhenz, A Frangi, A Just,**

55 - 16 - 3 Fire Design Methods for Timber Frame Assemblies – an Improved Model for the Separating Function Method - **M Rauch, N Werther, A Just, S Winter**

55 - 16 - 4 The Fire Protection of Timber Members using Gypsum Boards - **A Just, M Rauch, J Walker, N Werther**

8 STRUCTURAL STABILITY

- 55 - 15 - 1 Multilinear Load-Displacement Relationship of LFT Shear Walls Based on Standards - **S Schwendner, W Seim, G D'Arenzo**
- 55 - 15 - 2 A proposal for Evaluating the Horizontal Displacements of CLT Lateral Load Resisting Systems - **D Casagrande, G D'Arenzo, I Gavric, G Doudak**
- 55 - 15 - 3 Rocking Capacity Model of CLT Walls with Openings and Timber Plasticization - **Y De Santis, A Aloisio, M Sciomenta, M Fragiacomio**
- 55 - 15 - 4 Capacity-Based Design of CLT Shear Walls with Hyperelastic Hold Downs - **T Tannert, A A Oyawoye, M Popovski**

9 TRUSSED RAFTERS

- 55 - 14 - 1 Design of Timber Trusses with Dowelled Steel-to-Timber Connections - **S Schilling, N Manser, P Palma, R Steiger, A Frangi**

10 LAMINATED MEMBERS

- 55 - 12 - 1 Shear Stiffness and Strength of European Ash Glued Laminated Timber - **P Palma, R Steiger, T Strahm, E Gehri**
- 55 - 12 - 2 Size Effect of Glulam Made of Oak Wood under Consideration of the Finite Weakest Link Theory - **C Tapia, S Aicher**
- 55 - 12 - 3 Size Effect of Large Glued Laminated Timber Beams – Contribution to the Ongoing Discussion - **C Vida, M Lukacevic, G Hochreiner, J Füssl**

11 TIMBER BEAMS

- 55 - 10 - 1 Proposed Design Approach for Lateral Stability of Timber Beams - **G Doudak, M Mohareb, Yang Du**

12 TIMBER JOINTS AND FASTENERS

- 55 - 7 - 1 Head Pull-Through Properties of Self-Tapping Screws - **C Sandhaas, H J Blass**
- 55 - 7 - 2 Performance, Design and Execution of Screwed Steel-Timber End-Grain Connections - **M Westermayr, R Brandner, A Ringhofer, U Mahlknecht, J W G van de Kuilen**
- 55 - 7 - 3 Block Shear Model for Axially-Loaded Groups of Screws - **U Mahlknecht, R Brandner, A Ringhofer**

- 55 - 7 - 4 Brittle Failures of Connections with Self-Tapping Screws on CLT Plates - **J M Cabrero, J Niederwestberg, B Azinović, H Danielsson, Ying Hei Chui, T Pazlar, Chun Ni**
- 55 - 7 - 5 Low Cycle Ductility of Self-Tapping Screws - **M Steilner, H Kunkel, C Sandhaas**
- 55 - 7 - 6 Fatigue Behaviour of Notched Connections for Timber-Concrete-Composite Bridges – Failure Modes and Fatigue Verification -**S Mönch, U Kuhlmann**
- 55 - 7 - 7 Design of Moment Loaded Steel Contact Connections at the Narrow Face and Side Face of CLT Panels - **M Schweigler, T K Bader, S Sabaa**
- 55 - 7 - 8 Reinforced Rigid Glulam Joints with Glued-in Rods Subjected to Axial and Lateral Force Action - **K Simon, S Aicher**

13 TIMBER COLUMNS

- 55 - 2 - 1 In-Plane Buckling of Beech LVL Columns -**J Töpler, U Kuhlmann**

14 NOTES

15 ANY OTHER BUSINESS

16 VENUE AND PROGRAMME FOR NEXT MEETING

17 CLOSE