27th International Wood Construction Conference (IHF)
29th of November – 1st of December 2023
Innsbruck, Congress Center
Practical experience – Practical application
The general climate policy situation is causing a change in the values of investors in both the EU and Switzerland: with a view to the sales value of new projects and the value retention of existing portfolios, sustainability will increase from a soft factor to a hard criterion. Surveys of residential and office buildings in Switzerland show that timber construction is not only ecologically superior to solid construction, but can also keep up economically.

### Event Schedule

**08.15** Reception of attendees  
_Coffee sponsored by Dynea_

**08.55** Welcome  
_Sandra Burlet, Lignum – Holzwirtschaft Schweiz, Zurich (SUI)_

**09.00** Building climate-friendly and affordable – A comparison between Switzerland, Germany, Austria and France  
_Dr. Julia Selberherr, Wüest Partner, Zurich (SUI)_

**09.30** CO₂ potentials and decision bases in early construction phases  
_Hanns-Jochen Weyland, Störmer Murphy and Partners, Hamburg (GER)_

**10.00** Low-tech and circular timber construction and its ecological consequences  
_Prof. Eike Roswag-Klinge, Natural Building Lab, Technische Universität Berlin, Berlin (GER)_

**10.30** Coffee break  
_Coffee sponsored by Dynea_

**11.00** Sustainable planning and building – only together  
_Caroline Palfy, LOUD 4 PLANET, Vienna (AUT)_

**11.30** New ways of collaboration – from project development to implementation  
_Stefan Höher, Bauwens, Cologne (GER)  
Johannes Lederbauer, Wiehag, Altheim (AUT)_

**12.00** Serial-modular-affordable – How we can master the challenges in housing construction  
_Robert Decker, Robert Decker Immobilien, Dorfen (GER)_

**12.30** Discussion

**12.45** – 13.50 Lunch break – _Coffee sponsored by Dynea_
Pre-conference seminar I
Architecture
Organized by the Technical University Munich (GER) in collaboration with «aut. architektur und tirol», Innsbruck (AUT)

Architectural quality and sustainability
Moderation: Prof. Hermann Kaufmann, HK Architekten, Schwarmzach (AUT)
Architectural quality is a crucial criterion that determines the longevity and thus the sustainability of a building. Unfortunately, those responsible for execution are increasingly tending to lose sight of this criterion – a fatal development. What good architecture can achieve is again the main theme of this prologue.

13.15 Reception of attendees
13.45 Welcome
Prof. Hermann Kaufmann, HK Architekten, Schwarmzach (AUT)

14.00 LCA in housing construction – Holzbauquartier Berlin
Elise Pischetsrieder, weberbrunner architekten, Berlin (GER)

14.50 Space – Time – Expression
Timber construction through the ages
Prof. Astrid Stauffer, Stauffer & Hasler Architekten, Frauenfeld (SUI)

15.45 Coffee break in the exhibition area
Coffee sponsored by Stora Enso Wood Products

16.15 Future housing construction – requirements for construction products and buildings
Prof. Dr. Thomas Lützkendorf, Karlsruhe Institute of Technology, Karlsruhe (GER)

17.15 Construction methods, calculation rules and verification options for climate-friendly buildings
Frederic Dorff, Bundesverband Deutscher Fertigbau e. V., Bad Honnef (GER)

17.45 Discussion

Pre-conference seminar II
Prefabricated housing
Organized by the European Society for Prefabricated Housing, Bad Honnef (GER)

European legislation and its impact on national companies and their products – finding your way around, understanding, navigating, implementing
Moderation: Georg Lange, European Society for Prefabricated Housing, Bad Honnef (GER)
European legislation and its impact on national companies and their products – finding your way around, understanding, navigating, implementing
Taxonomy, ESG criteria, sustainability reporting, EPBD, EPB – the list of initiatives at European level is long and many of these projects in which it seems impossible for companies to find their way. This prologue is aimed at manufacturers of building products and buildings. We start with the EU’s motivations and end with a practical comparison of buildings.

13.15 Reception of attendees
13.45 Welcome
Markus Baukmeier, European Society for Prefabricated Housing, Bad Honnef (GER)

14.00 Transformation of the construction industry – the EU as a pacesetter
Philippe Moseley, Policy Officer at European Commission, DG GROW Construction Unit, Brüssel (BEL)

14.30 The EU taxonomy: the key to a low-emission and resource-saving construction industry – companies between risk and opportunity
Jan Kertscher, Associate Director (ARUP Deutschland) und Leiter für das Property Business und das Advisory Services Team

15.00 Sustainability reporting – what do I have to do as a company with 30 - 1000 employees?
Christian Garke, CFO, Oikos Group, Schlüchtern (GER)

15.30 Discussion
15.45 Coffee break in the exhibition area
Coffee sponsored by Holzwerke Pfarrkirchen

16.15 Energy Performance of Buildings Directive (EPBD) – Silver bullet for the building transition?
Sabine Kamill, Bundesministerium für Klimaschutz, Umwelt, Energie, Mobilität, Innovation und Technologie, Vienna (AUT)

16.45 Future housing construction – requirements for construction products and buildings
Prof. Dr. Thomas Lützkendorf, Karlsruhe Institute of Technology, Karlsruhe (GER)

17.15 Construction methods, calculation rules and verification options for climate-friendly buildings
Frederic Dorff, Bundesverband Deutscher Fertigbau e. V., Bad Honnef (GER)

17.45 Discussion

Pre-conference seminar III
Wooden house construction
Organized by Timber Construction Europe, Berlin (GER)

Building in existing stock – potential for the timber construction industry
Moderation: Stefan Leitner, Holzbau Austria, Vienna (AUT)
In the current social transformation, the focus within the timber construction industry is increasingly being shifted from building in new stock to all its facets, from the renovation of old buildings to urban densification, is increasingly becoming a key market for climate protection and the population looking for housing. Last but not least, climate-friendly living space through inventory optimization and expansion offers new potential for the timber construction industry. Challenges and opportunities must be weighed up equally.

13.15 Reception of attendees
13.45 Welcome
Peter Aicher, Präsident Timber Construction Europe, Berlin (GER)

14.00 Addition instead of demolition – a contribution to climate protection
Prof. Dr. Annette Hafner, Technische Universität Bochum, Bochum (GER)

14.35 Building without land
David Häring, Häring, Eiken (SUI)

15.10 Serial renovation – a field report
Alexander Gumpp, Gumpp & Maier, Binswangen (GER)

15.45 Coffee break in the exhibition area
Coffee sponsored by Stora Enso Wood Products

16.15 Tradition and modernity combined
Wolfram Kübler, WaltGalmarini, Zurich (SUI)
Pre-conference seminar IV

Connection technology
Organized by Aalto Universität Helsinki (FIN)

Current developments in connection technology
Moderation: Prof. Dr. Gerhard Fink, Aalto University, Helsinki (FIN)
Timber engineering has developed rapidly in recent decades. Wide-span halls and multi-storey residential and office buildings made of timber, instead of steel and concrete, are now widespread. High-quality and reliable connections are the basic requirement for these developments. New and at the same time more demanding areas of application of the material wood require continuous further development in the field of connection technology as well as the integration of new knowledge into standardization. This year’s prologue on connection technology deals with two topics: dismantling and assessment of connections as well as hybrid components, whereby the latter are also considered with regard to their dismantling and sustainability.

13.15 Reception of attendees
13.45 Welcome
  Prof. Dr. Gerhard Fink, Aalto University, Helsinki (FIN)
14.00 Removable connections for timber engineering
  Dr. Lisa Ottenhaus, The University of Queensland, Brisbane (AUS)
14.35 Point-supported cross laminated timber floors
  Prof. Dr. Thomas Tannert, University of Northern British Columbia, Prince George (CAN)
15.10 Not perfect, but resilient – load-carrying capacity of nailed connections in existing buildings
  Prof. Dr. Werner Seim, Universität Kassel, Kassel (GER)
15.45 Coffee break in the exhibition area
  Coffee sponsored by Stora Enso Wood Products
16.15 Timber-concrete composite floors with a high degree of prefabrication in the project BOBK7 in Berlin
  Henning Ernst, SWG-Engineering, Rübelheim (GER)
16.50 Circular fasteners for hybrid construction
  Sascha Schoaf, Marvin Vollbracht, Peikko Germany, Wollebeck (GER)
17.25 Timber-concrete composite floors – research and development at the ETH
  Prof. Dr. Andrea Frangi, Eidgenössische Technische Hochschule, Zurich (SUI)
18.00 Discussion

Pre-conference seminar V

Wood and politics
Organized by Ministry of Agriculture and Forestry, Regions and Water Management, Vienna (AUT)

Wood Governance across Europe and beyond – woodPoP
Moderation: Alexander Buck, International Union of Forest Research Organizations (IUFRO) and Veronika Juch, Austrian Ministry of Agriculture, Forestry, Regions and Water Management
A growing number of countries and communities in Europe, as well as in other parts of the world, are looking to sustainable use of wood and other renewable materials by fostering a forest-based bioeconomy. How can governance accelerate progress? Which enabling measures are needed to accompany a transition to a carbon-neutral bioeconomy?

13.15 Reception of attendees
13.45 Opening
  Georg Rappold, Ministry of Agriculture, Forestry, Regions and Water Management, Austria

13.50 Setting the Scene: The economic impact of forestry and wood industry in Europe
  Anna Kleissner, EconMove

14.20 The European Wood Policy Platform (woodPoP)
Governance: Lisa Lehner, Ministry of Agriculture, Forestry, Regions and Water Management, Austria
  Building: Petri Hein, Ministry of the Environment, Finland
  Innovation and Research: Alfred Kammerhofer, Federal Office for Environment, Switzerland
  Education and Vocational Training: Andreja Kutnar, Director, Innorenew COE, Slovenia
  Communication and Information: Tomáš Krejzar, Director-General Wood Industry, Ministry of Economy, Tourism and Sport, Czech Republic

15.00 Round Table: Wood First: Best practice examples of initiatives fostering the sustainable use of wood
  Dirk Alfter, Head of Division, Federal Ministry of Food and Agriculture, Germany
  Graham Hilton, Trade and Investment Specialist – Europe, British Columbia Ministry of Jobs, Economic Development and Innovation
  Takahiro Tsuchimoto, Chief timber research engineer, Tsukuba Building Research Institute, Japan

15.45 Coffee break in the exhibition area
  Coffee sponsored by Stora Enso Wood Products

16.15 Towards a Global Wood Policy Platform:
Sustainable Wood for a Carbon-neutral Bioeconomy
  Janice Burns, International Union of Forest Research Organizations (IUFRO) and Thais Linhares-Juvenal, Food and Agriculture Organization (FAO)
  Kwame Asamoah Adam, CEO Ghana Timber Millers Organization

16.45 Round Table: Transitioning towards a wood-based bioeconomy
  João Lé, Member of the High Level Group on Forestry and Biomaterial
  Silvia Melegari, Secretary General, CEI-Bois
  Uwe Kies, Secretary General, Innovawood
  Florian Kamlettner, Project leader, Bioeconomy Austria

17.45 End

18.30 Aperitif in the exhibition hall

Sponsored by Lignopan Holzwerk Pfarrkirchen

19.15 Exchange of ideas at the dinner in the Congress Center.
Thursday, November 30 2023

WOOD ENVIRONMENT – Like other industries, the wood industry depends on the political and economic framework in which it operates. Therefore, it is important to consider the relevant national and international trends and economic developments in the context of an international conference.

07.45 Reception of attendees
Welcomekaffee offered by Gutex

08.30 Welcome by the organizer
Prof. Dr. h.c. Heinrich Köster, Rosenheim Technical University of Applied Sciences, Rosenheim (GER)

Climate and Timber construction
Moderation: Prof. Dr. h.c. Heinrich Köster, Rosenheim Technical University of Applied Sciences, Rosenheim (GER)
Climate change and the associated increase in global average temperatures can be measured and felt. In the foreseeable future, emissions must be reduced to zero and CO₂ must be removed from the atmosphere – naturally, through organic building components such as wood.

08.40 Extreme weather in climate change – what do we have to adapt to?
Frank Böttcher, Klimaforscher, Cologne (GER)

09.20 Timber construction’s contribution to climate protection
Dr. Sebastian Rüter, Thünen-Institut, Hamburg (GER)

09.50 Discussion

10.00 Coffee break in the exhibition area
Coffee sponsored by Gutex

TIMBER STRUCTURES – High performance timber structures occupy a special place in the construction industry and the general public. They inspire confidence in the performance of wood as a building material and document the wide range of its use.

Selected projects
Moderation: Ass. Prof. Dr. Tobias Schauerte, Linnaeus University, Växjö (SWE)
The versatility of the building material wood is reflected in the projects of the international architecture scene. New connection techniques and material combinations create the conditions for new applications. Based on a selection of projects of international importance, this block of lectures provides an overview of the various possible uses of wood and wood-based materials in modern building construction in combination with other materials.

10.30 Tøyenbadet – The benefits and possibilities of wood in swimming pools
Kent Are Kristiansen, Woodcon, Oslo (NOR)

11.00 Innovation Factory 2.0 Heilbronn
Martin Vogelmann, merz kley partner, Dombin (AUT)

11.30 Gifu Media Cosmos – Realization of a roof landscape made of domes
Prof. Mitsuhito Kanada, Kunstakademie Tokyo Architektur, Arup, Tokyo (JPN)

12.00 EDEKA’s new central warehouse in wood
Johannes Lederbauer, Wiehag, Altheim (AUT)

12.30 Discussion

12.40 Lunch break in Congress Innsbruck
Coffee sponsored by isofloc

Groundbreaking multi-storey buildings
Moderation: Prof. Uwe Germerott, Bern University of Applied Sciences, Biel/Bienne (SUI)
The housing industry’s demand for wooden buildings has increased significantly in recent years. Increasing trust and new wood-based materials support this development. Wooden buildings are now being implemented in new dimensions and in concepts not seen before.

14.10 Eco Campus Arboretum – Europe’s largest development
Richard Joussel, Blumer-Lehmann, Gossau (SUI)

14.40 Hortus – building according to the standards of tomorrow
Christian Kaufmann, Kaufmann Bausysteme, Reuthe (AUT)

15.10 Modular construction – new dimensions

15.40 Coffee break in the exhibition area
Coffee sponsored by Gutex

Gates to the world: wooden airports
Moderation: Wolfgang Alversammer, Rosenheim Technical University of Applied Sciences, Rosenheim (GER)
Every day, millions of people are on the move at the world’s airports. Many airports are increasingly using wooden supporting structures in addition to wood paneling. It remains to be seen whether air traffic and climate protection can be combined, but terms such as sustainability and climate-friendly fuels have entered the vocabulary of aviation. The social and ecological framework conditions have also prompted the airport operators to rethink.

16.20 Airship hangar Mülheim an der Ruhr
Tobias Wiesenkämpfer, Ripkens Wiesenkämpfer Beratende Ingenieure, Essen (GER)

16.50 Portland International Airport Roof – from design and dimensioning to detailing, fabrication and installation
Jared M. Revay, TimberLab, Portland (USA)

17.20 Airport City Airport Luxemburg – Skypark Business Center
Dirk Berg, Steffen Holzbau, Grevenmacher (LUX)

17.50 Discussion

18.00 Coffee break in the exhibition area
Coffee sponsored by tectofix-Bauer Technik

WOOD CONSTRUCTION DEVELOPMENT – The International Wood Construction Forum is a meeting place for industry, product developers and research. In this block, the latest international developments and research results are presented, to exchange ideas with companies and to initiate new research projects.

Eurocode 5 – What will change, what is new?
Moderation: Dr. Simon Aicher, MPA University of Stuttgart, Stuttgart (GER)
The aim of revising the design standards is to adapt the standards to the current state of the art. The target group are trained civil engineers with three years of professional experience. The standards are therefore not written for laypeople, but for experts. Following the discussions in the past and the comments of users, the European Standardization Institute (CEN) has defined the “ease of use” for the second generation of the Eurocodes as one of the core goals of the new series of standards to be implemented, i.e. practical suitability and improved applicability.
The evolution of the Eurocode 5 – an overview with focus on DIN EN 1995-1-1
Prof. Dr. Stefan Winter, Technical University Munich, bauw – Beratende Ingenieure, Lauterbach (GER)

Design of timber-concrete-composite floors according to CEN/TS 19103
Prof. Dr. Jörg Schänzlin, Hochschule Biberach, Biberach (GER)

Cross laminated timber & block-bonded laminated veneer lumber – the new ECS material options
Dr. Tobias Wiegand, Studiengemeinschaft Holzleimbau, Wuppertal (GER)

Dimensioning of openings – extended possibilities with the new Eurocode 5
Prof. Dr. Philipp Dietsch, Karlsruhe Institute of Technology, Karlsruhe (GER)

Lunch break in Congress Innsbruck
Coffee sponsored by tectofix – Bauer Technik

Bio-based wood adhesives and CO₂-optimized wood-based materials
Moderation: Dr. Simon Aicher, MPA University of Stuttgart, Stuttgart (GER)
Against the background of the “European Green Deal” and the associated objective of doing business in the EU in a climate-neutral manner by 2050, companies are developing their own climate targets, with a focus on emissions. By decarbonizing processes, it should be possible to avoid burning fossil fuels in the future. However, higher demands are placed on load-bearing components. The agenda is something like the search for the Holy Grail: 100% emission-free adhesives for load-bearing wood-based materials based on renewable raw materials.

Bio-based adhesives for the wood industry
Dr. Christian Hübsch, UPM Biochemicals, Leuna (GER)

Carbon footprint along the supply chain
Dr. Martina Bender, Egger Holzwerkstoffe, St. Johann (AUT)

New generation PUR with renewable carbon compounds
Dr. Christian Fild, Henkel, Sempach (SUI)

Coffee break in the exhibition area
Coffee sponsored by Gutex

Adhesive bonding technology
Moderation: Dr. Simon Aicher, MPA University of Stuttgart, Stuttgart (GER)
The block “adhesive bonding” gives an insight into the basic requirements for modern wood adhesive bonding and shows the close link between gluing technology and the introduction of innovative wood products. New developments in timber construction based on adhesive technology will be presented.

Glued board and rib elements, reinforcements and repairs – the extended possibilities of the new DIN 1052, parts 10 and 11
Dr. Simon Aicher, MPA University of Stuttgart, Stuttgart (GER)

Long-span butt-bonded cross-laminated timber ceilings – the revolutionary Timber Structures 3.0 technology
Sven Bill, Timber Structure 3.0, Thun (SUI)
Dr. Marcel Muster, Timbatesc Holzbauingenieure Schweiz, Zurich (SUI)

Adhesive technology for timber components in Japan, Industrial manufacturing, block bonding, quality control
Dr. Takahiro Tsuchimoto, Building Research Institute, Tsukuba (JPN)

Discussion

Coffee break in the exhibition area
Coffee sponsored by tectofix-Bauer Technik

Wood construction for the future – enhanced design approaches and engineered materials to turn concepts into reality
Moderation: Prof. Dr. Christophe Sigrist, Bern University of Applied Sciences

Welcome and introduction
Christa Gertiser, Bern University of Applied Sciences

Behaviour factor for light frame timber shear walls in the context of the second generation of the Eurocode
Lukas Kramer, Bern University of Applied Sciences

Investigation of lateral torsional buckling of timber beams under combined bending and compression
Julian Lukas, University of Stuttgart

Analysis of the adhesive bond strength in cross-laminated timber components regarding the influences on the adhesive bond quality based on shear tests
Paul Selmer, OTH Regensburg

Concept study on a maximally sustainable, industrially manufactured house with wood panel construction
Pia Link, Rosenheim Technical University of Applied Sciences

Discussion

Lunchtime
Coffee sponsored by tectofix – Bauer Technik

Wood construction for the future – reuse timber components and extend the life of existing timber structures

Circularity in Timber Construction
Leoni Lichtblau, Technical University of Munich

branntneu. Neighbourhood development and redensification in timber construction on the Branntweinareal in Munich
Anna Maria Brendel, Technical University of Munich

Discussion

Opportunity for networking and exchange between manufacturing companies, architects, planners and universities. Opportunities, challenges and research questions for four subject areas are discussed in small groups. The thematic tables are moderated by experts from the universities involved in the Forum Holzbau, accompanied by the Bavarian Research Alliance. The World Café offers a starting point for topic-specific working groups and joint research projects.

Welcome and goal setting for World Café
Prof. Andreas Heinzmann and Prof. Maren Kohaus, Rosenheim Technical University of Applied Sciences (GER)
Friday, December 1 2023

WOOD STRUCTURES - Wood structures are unique and different from other structures from an environmental point of view. As a natural and renewable resource, wood has qualities that are vital to our survival. If wood as a building material did not exist, we would have to invent it. Accordingly, all stakeholders in the construction industry are called upon to ensure that wood plays a greater role as a construction material than in the recent past.

Block A

Exposed engineering structures
Moderation: Prof. Dr. Philipp Dietsch, Karlsruher Institut für Technologie, Karlsruhe (GER)

Realizing extraordinary engineering structures made of wood has always had a special appeal for planners and architects in addition to bridges and towers, timber construction has opened up new areas of application in recent years, such as wooden car parkades. But wooden bridges are also increasingly in demand. The revision of Eurocode 5-2 “Timber bridges” comes at the right time. Damage to existing structures also helps to learn lessons for the planning and execution of future wooden bridges.

08.30 Eberswalde bicycle parkade
Prof. Dr. Michael Staffa, Ifs frahloff staffa kühl ecker, Berlin (GER)

09.00 Car park Schwanenweg Wendlingen
Juliane Deubel, knippershelbig, Stuttgart (GER)

09.30 Bad Aibling multi-storey parkade – added value with wood
Matthias Eisele, merz kley partner, Dornbirn (AUT)

10.00 Coffee break
Coffee sponsored by Koch & Schulte

10.30 The new Eurocode 5-2 – Timber bridges: changes and innovations
Matthias Gerold, Harrer Ingenieure, Karlsruhe (GER)

11.00 The Trotten bridge collapse, how could it happen
Prof. Kjell Arne Malo, Norwegian University of Science and Technology, Trondheim (NOR)

11.30 Green Gantry – Wooden toll bridges
Dr. Georg Flatscher, freiraum, Graz (AUT)

12.00 Discussion

12.20 Coffee break
Coffee sponsored by Dynea

Block B

Robust structures
Moderation: Prof. Michael Flach, University of Innsbruck, Innsbruck (AUT)

Safety in relation to a possible structural failure should be carefully considered, even before the construction of large numbers of visitors. The new Eurocode 5-2 on load-bearing structures have the ability to dissipate loads through redistribution via different paths. As a result, they do not fail when the limit of one component is reached, but they use reserves of the entire system. The selected examples show interesting solutions on how the efficiency of supporting structures can be increased to make the load-bearing capacity safer.

08.30 Introduction to redundant load-bearing structures
Example of beam and truss gratings
Prof. Michael Flach, University of Innsbruck, Innsbruck (AUT)

09.00 Reciprocal Frame Roof of the Events Beacon for a Tech Office Building in California
Eric Karsh, Equilibrium Consulting, Vancouver (CAN)
Block C

Multi-storey timber construction today – reliable, innovative and economical

Moderation: Prof. Andreas Müller, Bern University of Applied Sciences, Biel/Bienne (SUI)

Timber construction has established itself as a sustainable, reliable and economical construction method for multi-storey buildings well beyond the glass and steel last. In the case of large-volume projects in particular, the usual planning and production processes in timber construction benefit professional implementation. This minimizes the risks compared to conventional construction methods. Particular attention is paid to economic efficiency in the concepts – in addition to a high level of safety, robustness and reliability over the entire service life. This also creates space for continuous further developments and innovations.

08.30 Introduction

08.40 Structural concepts for slim, tall wooden buildings
Charles Binck, Eidgenössische Technische Hochschule, Zurich (SUI)

09.10 Limberlost Place, George Brown College, Toronto – innovative, wide-span ceiling system
Robert Jackson, Fast & Epp, Vancouver (CAN)

09.40 b_project – the one-stop-shop solution for economical, multi-storey wooden buildings
Helmut Stiehs, Binderholz, Fügen (AUT)

10.10 Coffee break
Coffee sponsored by Koch & Schulte

10.40 The hybrid high-rise CARL in Pforzheim – lessons learned
Peter W. Schmidt, Peter W. Schmidt Architekten, Pforzheim (GER)

11.10 Mid- and high-rise timber buildings in Japan
Prof. Dr. Mikio Koshihara, University of Tokyo (JPN)

11.40 Stockholm Wood City – the project sets new standards
Oskar Norelius, White Arkitekter, Stockholm (SWE)

12.10 Discussion

12.20 Coffee break
Coffee sponsored by Stora Enso Wood Products

Block D

TUM.wood – Adventure Wood Research – a discussion forum

Moderation: Prof. Dr. Stefan Winter, TUM.wood, Munich (GER)

This block provides insights into the current wood research and beyond into the future developments and contrarian positions.

08.30 Teil 1: The future of wood use

Short presentations followed by a podium discussion
Dr. Susanne Winter, WWF Deutschland, Berlin (GER)
Johannes Schmitt, Deutscher Forstwirtschaftsrat, Berlin (GER)

The future use of wood is closely linked to the goals of climate protection and the preservation of biodiversity. At the same time, the wood market is significantly influenced by the issues of wood supply on a national and international level. How do we create a balanced approach to these issues to reconcile environmental sustainability and economic progress?

10.00 Coffee break
Coffee sponsored by Koch & Schulte

10.45 Short presentations followed by a podium discussion

Kurzvorträge mit anschliessendem Diskussionsforum
Prof. Dr. Andreas Bolte, Thünen-Institut für Waldökosysteme, Eberswalde (GER)
Ludwig Lehner, Technikum Laubholz, Göppingen (GER)

The National Forest Inventory shows increasing wood stocks, especially hardwood. Damage caused by heat, drought and insects lead to an increase in the amount of damaged wood, especially in the case of spruce. In the future, due to climate change and planned forest adjustments, a decline in conifers and an increase in deciduous trees is expected. What about the usage options for hardwood? Which steps are necessary to promote the efficient material use of hardwood?

12.20 Coffee break
Coffee sponsored by Stora Enso Wood Products
EPILOG

From tradition into the future
The arrival of European and Asian timber construction cultures
in the 21st century

Moderation: Prof. Wolfgang Winter, Technical University Vienna,
Vienna (AUT)

A look at the media shows that urban, multi-storey hybrid timber
construction has made a comeback in the 21st century after being
almost completely replaced by steel and reinforced concrete in the
20th century. The lecture will show some of these timber frame buildings
from the German-speaking area and Japan. These regions build on diverse
innovative timber building cultures, which also enriched building
technology and architecture in the urban context up to the end
of the 19th century. The epilogue is intended to discuss the extent
to which centuries-old technical and cultural achievements in
timber construction have been preserved, despite being suppressed
in the 20th century, and can be reactivated and further developed
in the 21st century. In addition to technical questions and cultural
aspects, this also includes questions of resource availability and the
feasibility of a renewed conversion of construction production.

12.50 Timber construction in Japan
About flexible floor plans and the way from temple
building to urban multi-storey buildings
Prof. Em. Dr. Seiichi Fukao, Tokyo Metropolitan University,
Tokyo (JPN)

13.15 New construction of a studio and exhibition building for
Ai Weiwei in traditional log construction
Ana Sofia Veiga Architektin, Vendas Novas (PRT)
João Veloso Architekt und Projektmanager bei Portilame,
Braga (PRT)

13.40 Does timber construction have limits of growth?
Prof. Dr. Philipp Dietsch, Karlsruhe Institute of Technology,
Karlsruhe (GER)

14.05 Timber Construction in Europe –
Achievements and Future Prospects
Dr. Sandra Hofmeister, Detail, Munich (GER)

14.35 Discussion and final words

14.40 Lunch
Coffee sponsored by

15.30 End of IHF 2023

Apart from gaining knowledge from the formal sessions, partici-
pants have the opportunity to learn about the latest developments
and innovations in wood construction in the parallel trade show,
where the sponsors and other companies are presenting their pro-
ducts. Take advantage of the breaks to get an overview, to socialize
and to deepen existing contacts.

The organizers, sponsors and exhibitors wish you an interesting and
enjoyable 27th International Wood Construction Conference
IHF 2023.

Place of the Conference
Congress Innsbruck, Rennweg 3, 6020 Innsbruck, Austria

Accommodation
You can find our partner hotels on our website:
www.forum-holzbau.com/IHF
You will receive special quotes when referring to:
«Internationale Holzbau-Forum»

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Registration
Please fill out the attached form and send it to the address
belan by mail:

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You can also register online:
www.forum-holzbau.com/IHF

Closing date for registration November 22 2023

The number of participants is limited. Registrations are processed
in the order in which they are received.
Organizers
Aalto University Helsinki, Helsinki (FIN)
Bern University of Applied Sciences, Biel/Bienne (SUI)
Landesbeirat Holz NRW, Olzberg (GER)
Rosenheim Technical University of Applied Sciences, Rosenheim (GER)
Technical University Munich, Munich (GER)
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ENSTIB Université de Lorraine, Epinal (FRA)
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Linnaeus University, Vaxjö (SWE)
Materialprüfanstalt Universität Stuttgart, Stuttgart (GER)
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