Conference programme
## OPENINGS

**Thursday 17.09 | 10.00 am**  
Opening of the Exhibition

**Sunday 20.09 | 3.00 pm**  
Opening plenary

### WEEK 1

#### Wednesday 23.09

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<th>SESSION 1</th>
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<tr>
<td>Nearly Zero Energy Buildings</td>
<td>Components and supply concepts</td>
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<td>SESSION 3</td>
<td>SESSION 4</td>
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<td>Passive House Districts</td>
<td>Passive House goes China</td>
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<td>EXTRA Tours on the Online</td>
<td>EXTRAS Tours on the Online</td>
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<td>Passive House Exhibition</td>
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#### Thursday 24.09

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### WEEK 2

#### Wednesday 30.09

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<td>Passive House Solutions</td>
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#### Thursday 01.10

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<td>Passive House</td>
<td>Training and Education</td>
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<td>Tall Passive House Buildings</td>
<td>Summer comfort and resilience</td>
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<th>SESSION 11</th>
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<tr>
<td>Building tours - Video Edition!</td>
<td>Passive House projects around the globe</td>
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### WEEK 3

#### Wednesday 07.10

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<td>Non residential Passive House projects</td>
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<tr>
<td>Building tours - Video Edition!</td>
<td>Passive House Policy</td>
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#### Thursday 08.10

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<th>SESSION 15</th>
<th>Final plenary</th>
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<td>Passive House Retrofits in Germany</td>
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[INTERNATIONAL PASSIVE HOUSE CONGRESS 2020]
SESSION 1
Nearly Zero Energy Buildings

Wednesday, 23 September 2020, 9:00 am
Dimitris Pallantzas
Hellenic Passive House Institute

Economical evaluation between PH and nearly Zero Energy Buildings in Greece

Francesco Nesi
ZEPHIR - Passivhaus Italia

A landmark for the community on the Adriatic coast: the Passivhaus MEGABOX office

Dieter Herz | Chair

Raquel Marcos López
ra[]el ARQUITECTURA

Passivhaus Plus housing monitoring mediterranean climate

SESSION 1
Horia Petran
NIRD URBAN INCERC

An evolution of National nZEB standard using Passive House principles

Thomas Roßkopf
Energieinstitut Vorarlberg

Cost optimal nZEB residential new builds

Mark Stephens
Mark Stephens Architects and Certified PH Consultants

Mind the gap: nZEB and Passivhaus: An Irish perspective
SESSION 2
Components and supply concepts
(German Presentations with English subtitles)

Wednesday, 23 September 2020, 9:00 am
SESSION 2

Silvia Öttl
University of Innsbruck
Innovative and energy efficient fire prevention solutions for ventilation systems

Oliver Kah
Passive House Institute
Kitchen exhaust systems in Passive House buildings

Matthias Wangelin
KEEA GmbH
Reduction of Passive House energy demand using mechanical drink water hygienization

Micheel Wassouf | Chair
Berthold Kaufmann
Passive House Institute

Heat Pump Kombi Systems - an overview of recent developments not only in China

Benjamin Krick
Passive House Institute & University of Applied Sciences Darmstadt

PH suitable pre wall mounting systems and accompanied thermal bridges in various climates

Micheel Wassouf | Chair

Adrian Muskatewitz
Passive House Institute

Thermal bridge calculations of balconies with two-dimensional replacement elements

SESSION 2
SESSION 3
Passive House Districts
(German presentations with English subtitles)

Wednesday, 23 September 2020, 5:00 pm
Harald Konrad Malzer
NEUE HEIMAT TIROL Gemeinnützige Wohnungs GmbH

Smart City Wörgl: A vision turns reality

Wolfgang Hasper
Passive House Institute

Measured heating load for DHW and space heating in a large Passive House development

Rena Vallentin
ArchitekturWerkstatt Vallentin GmbH

Wooden Passive House construction in the city: An ecological living quarter in Munich's Prinz-Eugen Park

Peter Friemert | Chair
Wolfgang Streicher
University of Innsbruck, Arbeitsbereich Energieeffizientes Bauen

Tirol 2050: Visions of a fossil free future

Jürgen Schnieders
Passive House Institute

Passive House and sector coupling in Germany

Georgios Dermentzis
University of Innsbruck


Peter Friemert | Chair

SESSION 3
SESSION 4
Passive House goes China

Thursday, 24 September 2020, 9:00 am
Peng Mengyue
Center of Science and Technology & Industrialization Development, MOHURD
Challenges and Solution of Complex Non-Residential Passive House and NZEB in China

Yi Zhu 朱毅
SoftGrid (Shanghai) Co., Ltd.
A Future Blueprint - How Passive House construction in China becomes easier as we speak

Haifeng Guo
Beijing Institute of Residential BuildingDesign & Research co., LTD
The performance-based design and operational analysis of X88 kindergarten

Yin Wang
Longfor Group Holdings Limited
Passive House design strategies and performance: A case study of Gaobeidian Bahnstadt

Sichen Sheng
Passive House Institute
Study on a Passive House nursing home with solar-driven system in warm and humid climates
Jiandong Li  
China Academy of Building Research (CABR)  

Analysis and discussion on the Germany PHI certification test of energy recovery ventilators for outdoor air handling

Li Pan  
Shanghai Research Institute of Building Sciences Co., Ltd  

Research and practice of passive ultra-low energy buildings in hot summer and cold winter

Ruixue Li  
Beijing Residential Architecture Design and Research Institute Co., Ltd.  

Practice and thoughts of Shoukai Tongzhou affordable high-rise residential project
SESSION 5
Future-proof and sustainable
(German Presentations with English subtitles)

Thursday, 24 September 2020, 5:00 pm
Benjamin Krick
Passive House Institute & University of Applied Sciences Darmstadt
Active, passive, or both? Paving the way for an energy transition

Josef Scheiring
MPREIS Warenvertriebs GmbH
MPreis supermarkets: Experiences from 10 Passive House franchises

Johannes Kreißig | Chair

Thilo Cunz
WSP Deutschland AG
Passive House - naturally sustainable!
Marc Großklos
Institut Wohnn Umwelt GmbH

**Future proof new builds for a climate-neutral building stock in 2050**

Tommy Kreutzer Wesslund
Enerwex AB

**Knivsta Centre for Sports and Culture**

Johannes Kreißig | Chair

Martin Laatsch
Steinbeis-Innovationszentrum energie+

**Strong builders - great buildings!**
SESSION 6
Passive House Tools

Thursday, 24 September 2020, 5:00 pm
Tobias Hatt
Energieinstitut Vorarlberg

Experiences in the optimisation of a running system using simulation software

Philippe St-Jean
McGill University

Greenhouse gas emissions calculator for PHPP v9.6

Edwin May
BLDGtyp

New Tools, New Workflows for Combined Dynamic and PHPP Modeling at Scale

Andrew Peel | Chair
Laszlo Lepp  
Passive House Institute - Innsbruck  
Planning ventilation systems with designPH

Mara Magni  
Universität Innsbruck Institut für Konstruktion und Materialwissenschaften  
PHPP vs. dynamic simulation – prediction of PV-self-consumption with the PHPP

Andrew Peel | Chair

Harald Konrad Malzer  
NEUE HEIMAT TIROL Gemeinnützige Wohnungs GmbH  
Reliable evaluation procedure for efficiency and investment cost potential in architectural competitions
SESSION 7
Passive House Retrofits

Wednesday, 30 September 2020, 5:00 pm
24th INTERNATIONAL PASSIVE HOUSE CONFERENCE 2020
20 September - 08 October 2020

Michael Ingui
Baxt Ingui Architects
Past, present, & future solutions for masonry retrofits

Claudia González García
DUQUEYZAMORA ARQUITECTOS S.L.P
Retrofitting Asturias architectural heritage

Bjorn Kierulf | Chair

Bega Clavero
Progetic
EnerPHit airtightness & moisture control: Robust simple solutions for low-leak retrofits

SESSION 7
CARL-PETER GOOSSEN
Bouwnext/DNA in de bouw

INITIAL EXPERIENCES WITH THE CONDOMINIUM FEE MODEL AS APPLIED IN ASSEN

STEFFAN Oehler
ecoworks GmbH

"ECOWORKS" REALISES THE FIRST SERIAL RETROPHIT IN GERMANY

RON VAN ERCK
Energiesprong Foundation, Deutsche Energie-Agentur

THE ENERGIESPRONG APPROACH: AFFORDABLE, CLIMATE-CONSCIOUS LIVING FOR ALL!

SESSION 7
SESSION 8
Passive House Solutions

Wednesday, 30 September 2020, 5:00 pm
Piero Russo
Piero Russo - Ingegneria Architettura

Monitoring of a multi-family PH building in Mediterranean climate

Marine Sanchez
RDH Building Science

Defining project-specific PHPP inputs for institutional buildings with commercial kitchens

Mark Siddall | Chair

Pablo Carranza Navarro
BIONM estudio

Improving cost-effectiveness on the same multifamily typology and location over five years

SESSION 8
Marcel Studer
Passive House Canada, Econ Group Ltd

Training in remote communities: Self-built Passive House as an alternate to prefab

Oliver Style
Progetic

DHW + PV: all-electric hot water heating for Passive Houses, with surplus solar PV top-up

Mark Siddall | Chair

Aggeliki Stathopoulou
NetZero

Single family house in Chalandri, Greece
SESSION 9
Passive House Training and Education
(German presentations with English subtitles)

Thursday, 1 October 2020, 9:00 am
Franz Freundorfer
Passivhauskreis Rosenheim Traunstein e.V.

Building with tradespeople that just do everything right

Lazlo Lepp | Chair

Simone Kreutzer Wesslund
IG Passivhus

Like a spider in a web: Passive House quality assurance

Susanne Winkel
Passive House Institute

Avoiding the Performance Gap by deepening and disseminating Passive House knowledge

SESSION 9
Rainer Pfluger
Universität Innsbruck, Arbeitsbereich Energieeffizientes Bauen
University education as a chance for spreading the Passive House Standard

Philipp Krebs
Fachhochschule Erfurt
High energy efficiency education in technical colleges: A experience report by the University of Applied Sciences Erfurt

Stefan Pallantzas
Hellenic Passive House Institute
Revolution through education
SESSION 10
Summer comfort and resilience

Thursday, 1 October 2020, 9:00 am
Kaz Bremner
Perkins and Will Architects
Passive House and resilience in the face of a warming climate

Cameron Munro
Passive Analytics
Resilience of Passive Houses to bushfire smoke infiltration

Jessica Grove-Smith
Passive House Institute
The impact of a warming climate on buildings

Stefan Pallantzas | Chair
Dragos-Ionut Arnautu
Passive House Institute

First certified Passive House building in a very hot and dry climate

Søren Dietz
Bjerg arkitektur, Green Lab

Solar gains and thermal effect on living comfort and quality

Adrian Muskatewitz
Passive House Institute

Heating and cooling with split units (compression cooling) in accordance with thermal comfort goals

Stefan Pallantzas | Chair
SESSION 11
Tall Passive House Buildings

Thursday, 1 October 2020, 5:00 pm
Melissa Furukawa
Peel Passive House Consulting

Beacon in the sky: A residential tower undergoes a stepwise EnerPHit retrofit

Helmut Schöberl
Schöberl & Pöll GmbH

EnerPhit refurbishment of the administrative high rise of the "Dachverband der österreichischen Sozialversicherungen"

Monte Paulsen | Chair

Graeme Stewart
ERA Architects / Centre for Urban Growth and Renewal

First EnerPHit residential high-rise in North America: The Ken Soble Tower

SESSION 11
Stas Zakrzewski
ZH Architects

Developing a replicable methodology for successful Tall Passive House Buildings

Bai Yu
Beijing Institute of Residential Building Design & Research co., LTD

Construction control of key technologies in high-rise building of premium Passive House

Monte Paulsen | Chair

Dragos-Ionut Arnaatu
Passive House Institute

Monash University: Woodside building for technology and design

SESSION 11
SESSION 12
Workshop: Cost-efficient social housing
(German presentations with English subtitles)

Wednesday, 7 October 2020, 9:00 am
Tanja Schulz  
Passive House Institute  

Introduction: Workshop for cost-efficient building practices

Christoph Deimel  
Architektenkammer Berlin  

Passive Houses in Berlin

Marc Großklos  
Institut Wohnn Umwelt GmbH  

Minimising the extra costs in a “Passive House Social Plus”: The appliance of an idea
SESSION 13
Non-residential projects

Wednesday, 7 October 2020, 5:00 pm
Sara Velázquez Arizmendi
VARquitectos

Medical Center in Spain: Design, construction and operation, first results of monitoring

Stuart Hood
Integral Group

Clayton Heights Community Centre

Barry Mc Carron
South West College

Erne Campus: Inspiring the future of education
Andrew Peel  
Peel Passive House Consulting

Reducing the Goods: Insight into North America's first Passive House production facility

Julien Rivat  
'Atelier RIVAT' architectural agency

ARTIC 42 - the first Passive House hospital facility (dialysis clinic) in France

Dragomir Tzanev | Chair

Nick Grant  
Elemental Solutions

Applying Passivhaus experience to low cost archive buildings: First year results
SESSION 14
Passive House Policy

Wednesday, 7 October 2020, 5:00 pm
Lois Arena
Director of Passive House Services, Steven Winter Associates
Passive House Retrofits: Informing carbon reduction plans across the Northeast US

Cillian Collins
Perkins and Will Architects
People, Policy and Projects: the uptake of Passive House in British Columbia

Bronwyn Barry | Chair

Lucio Picciano
DLP Architecture inc
The transformation of a design practice and a city
**SESSION 14**

### Mike Fowler
**Passive House Northwest and Mithun**

**Washington state energy code path is now equal to PHI low-energy building standard**

### Dragomir Tzanev
**EnEffect, Center for Energy Efficiency**

**Fighting off energy poverty: can Passive House be the answer?**

### Giorgia Tzar
**Passive House Institute**

**Passive House and the SDGs: Connecting an international building standard with global aims**

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**Bronwyn Barry | Chair**
SESSION 15
Passive House Retrofits in Germany
(German presentations with English subtitles)

Thursday, 8 October 2020, 9:00 am
Harald Konrad Malzer
NEUE HEIMAT TIROL Gemeinnützige Wohnungs GmbH

Sinfonia: The "French Houses" of Tirol are ready for the energy transition

Mario Bodem
ING+ARCH

Retrofit transition of the landmarked hippopotamus house in the Nuremberg Tiergarten towards a zero-energy building

Dirk Mobers | Chair

Lars Beckmannshagen
ZEBAU GmbH

From school to apartment building: An EnerPhit transition

SESSION 15
Carsten Grobe
Architektur- und TGA-Planungsbüro Carsten Grobe Passivhaus

Retrofit transformation of the Danish Expo pavilion into a plus-energy building with a PVT heat pump system

Norman Räffle
AIR² GmbH Architektur- Investment- Räffle

Transformation of a water tower into the first zero-energy high-rise

Benjamin Krick
Passive House Institute & University of Applied Sciences Darmstadt

Windows: That's how you do it right!

Dieter Herz | Chair
SESSION 16
Passive House projects across the globe

Thursday, 8 October 2020, 9:00 am
Elrond Burrell | Chair

Ingo Theoboldt
Passivhusbyrån

Gibraltar Guesthouse: student flats in Gothenburg

Claudia González García
DUQUEYZAMORA ARQUITECTOS S.L.P

Learning to live in Monteviento Passivhaus

Shih-Chieh Yeh
BWK Green Architecture Co. Ltd.

Bangkok first concrete Passive House

SESSION 16
Stephen Quinn
Peel Passive House Consulting Ltd.

Passive House in Cold Climates

Camille Sifferlen
Passive House Institute

Namaste Passive House

Elrond Burrell | Chair

Esteban Pardo
PLAY ARQUITECTURA S.L.

First Passivhaus Plus office building in Spain

SESSION 16
24th International Passive House Conference
Registration and additional information:
passivehouseconference.org