

PHN Symposium

Happening Online

Date: Wednesday & Thursday, January 26-27, 2022

Time: 1 PM - 4 PM ET (both days)

Price: Free

<https://naphnetwork.org/wood-symposium/>

#WoodPassiveHouse

Overview

Title: Regenerative Construction Ecosystems: Community resilience & adaptation with sustainable forestry, Passive House & industrialized construction.

Description: Industrialized wood construction through well managed forest resources can reduce wildfire risk, while delivering decarbonized buildings that are healthier for occupants, assembled rapidly, and adaptable. Passive House is a global ultra low-energy building standard that offers resilience in the face of wildfires, energy insecurity, and a warming world. Regenerative Construction Ecosystems is a free 6-hour symposium, over two days, focused on how wood industrialized construction deployed to meet the Passive House standard, can lead to decarbonized environments that are resilient and adaptable to our changing environments.

Presenters:

Scott Barton-Smith, Associate Principal, Hacker

Bernd Christmas, CEO, Nch'kay Development Corp

Ann-Marie Fallon, Associate Director, Architype

Daniel Hall, Assistant Professor, ETH Zurich

Michael Eliason, Founder, Larch Lab

Bjorn Kierulf, CEO, EcoCocon

Tim Martel, Chartered Architectural Technologist

Matt O'Malia, Founder & Partner, TimberHP by GO Lab

Erica Spiritos, Preconstruction Manager, Timberlab

Dr. Guido Wimmers, Associate Professor, University of Northern British Columbia

Day 1

Wednesday, January 26.

10AM PT/1PM ET to 1PM PT/4 PM ET

Wood Industrialized Construction Kickoff

Presentations and moderated discussion will focus on design, planning and erection of mass timber buildings, and how universities are educating future workers and leaders for this field.

Day 1 Agenda

Introduction by Michael Eliason, Founder Larch Lab.

Keynote by Bernd Christmas, Chief Executive Officer at Nch'kay Development Corp.

Presentations:

- Prefabricated wood Passive House buildings, by Dr. Guido Wimmers, Associate Professor at University of Northern British Columbia.
- Industrialized construction in an educational setting, by Dr. Daniel Hall, Assistant Professor at ETH Zürich.
- Delivering wood buildings, by Erica Spiritos, Preconstruction Manager at Timberlab.
- Mass Timber for Academic & Public Buildings, by Scott Barton-Smith, Associate Principal, Hacker.

Panel discussion, moderated by Michael Eliason.

Day 2

Thursday, January 27.

10AM PT/1PM ET to 1PM PT/4 PM ET

Passive House, Embodied Carbon Tools & Wood Components

Get an overview of Passive House and low-carbon buildings incorporating innovative calculations, prefabrication and wood construction, followed by a moderated discussion.

Day 2 Agenda

Introduction by Michael Eliason.

Keynote by Ann-Marie Fallon, Associate Director, Architype.

Presentations:

- Wood and straw prefabricated Passive House, by Bjorn Kierulf, Chief Executive Officer at EcoCocon.
- Calculating embodied carbon in Passive House – the PHribbon, by Tim Martel, Chartered Architectural Technologist.
- Decarbonized value-added wood manufacturing and Passive House, by Matt O'Malia, Founder & Partner, TimberHP by GO Lab.

Panel discussion moderated by Michael Eliason.

Credits

AIA 6 LU | PHI 6 Credit (in progress)

HSW Justification:

Learning Objectives:

1. Outline the potential advantages of wood and mass timber construction in developing sustainable buildings and ecosystems.
2. Describe how using industrial wood production and Passive House can leverage wood construction to produce more benefits.
3. Outline challenges in adapting existing timber and construction industries to utilize these sustainable approaches.

Describe how universities and other public initiatives are expanding educational and job opportunities in wood mass timber Passive House construction.

Handles

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1. Can wood mass timber Passive House buildings help produce more sustainable forests that reduce the risk of massive wildfires? Can they support good new jobs and economic development? Can industrialized wood construction reduce the carbon footprint of buildings? Join a discussion of these questions and more. January 26-17. AIA 6 CEU | PHI 6 CP #sustainableforestry #greenbuilding #embodiedcarbon #woodbuilding <https://naphnetwork.org/wood-symposium/>
2. Coming soon... on wood and economic development
Tuesday, Jan 11, 9AM PT / 12PM ET
AIA 6 CEU | PHI 6 CP
Join us: <https://naphnetwork.org/wood-symposium/>
3. Coming soon... on wood and PH
Tuesday, Jan 11, 9AM PT / 12PM ET
AIA 6 CEU | PHI 6 CP
Register Here: <https://naphnetwork.org/wood-symposium/>

Contact info@naphnetwork.org for any inquiries.