PRE-CONFERENCE WORKSHOP

Timber Engineering: Innovations in Structural Timber Design & Construction

DATE WED., SEPT. 20, 2017 • 8:00AM - 5:30PM

VENUE THE WESTIN BAYSHORE,
1601 BAYSHORE DRIVE, VANCOUVER, BC

Van Dusen Garden, Vancouver, BC.
Photo: Nic Lehoux (Fast + Epp)

WORKSHOP DESCRIPTION

The course presents principles and recent advances in heavy timber engineering, including conceptual design, good detailing for durability and structural performance. It will use recently built examples to demonstrate innovations in the field and discuss current trends in timber engineering and construction.

The workshop will be led by engineers with extensive experience in the design of timber buildings and timber bridges and will offer participants both European and North American design perspectives on structural timber. Main discussion topics will include conceptual timber design strategies, timber concrete composites, connection designs, durability considerations, and recent trends.

REGISTRATION FEES

This course is being offered by the SEABC and enrolment is also offered to participants of the 2017 IABSE Symposium at preferred rates:	**Advance On-Line Registration (by Sept. 1, 2017)**	**Late Price / In-Person (after Sept. 1, 2017)**
2017 IABSE Symposium Delegate or SEABC Member	$ 400	$ 500
Student*	$ 300	$ 400

* Full-time student with valid photo ID from their educational institution.

The registration fee includes:

- Printed course notes and handouts during workshop
- Morning and afternoon coffee breaks on day of workshop
- Lunch on day of workshop

All registration fees are in Canadian Dollars (CAD) and are subject to prevailing government taxes at the time of the transaction, including a Goods and Services Tax (GST) of 5%.

Cancellation requests received in writing prior to Sept. 1, 2017 are subject to a $200 processing fee. All fees are non-refundable after Sept. 1, 2017.

Non-member price includes complimentary membership in SEABC until Dec. 31, 2017.

See registration website for additional Terms and Conditions.

INSTRUCTORS:

Johannes Natterer, Dr. sc. techn. is an engineer at Polyscope Consulting SA and an active lecturer at the Swiss Federal Institute of Technology in Lausanne (EPFL), CH. He is one of the leading timber specialists in Switzerland, working on institutional and bridge projects.

Dr. Natterer completed his degree in Civil Engineering at the EPFL, Switzerland in 1998 and worked as a consulting engineer at Bois Consult Natterer SA in Etoy, Switzerland. During this time, he specialized in optimization of the sizing of mixed concrete slabs and design of multi-layered ribbed shells, including the Expo Dach at the Hannover Universal Exhibition.

He completed his doctoral thesis at the EPFL on the non-linear analysis of semi-rigid joint multilayer shells in 2005. Johannes is a well-recognized specialist in solid wood construction and timber-concrete composites. He excels in the development of effective and innovative structural systems, detailing and constructability applications.

Univ. Prof. Dipl. Ing. Michael Flach is the Director of the Institute of Construction and Material Science and the Department of Timber Construction at the University of Innsbruck, Austria.

Professor Flach received his diploma in Civil Engineering from the University of Munich, and completed post-diploma work at CHEBAP in Paris. He worked as a manager at ICS-BOIS, a leading timber design office in France and was the Manager of Arborescence, a French firm dedicated to wood design and environmentally sensitive construction. He has also lectured as assistant professor at the schools of architecture in Lyon and Grenoble, France as well as an invited professor at the University of British Columbia in Vancouver, Canada.

He has designed and contributed to more than 200 large scale timber construction projects in Austria and France, unifying challenging timber design and engagement in sustainable development through the use of novel, eco-friendly and energy efficient wood construction.

Paul Fast, P.Eng., Struct. Eng., is founder and Partner of Fast + Epp, and has led the structural design of numerous prominent projects since the firm's beginnings in 1985.

He has been recognized for his unconventional use of timber, emerging as a leader in architecturally-exposed timber structures, often pushing the design envelope to create hybrids of timber, concrete and steel.

Paul enjoys collaborating with architects to explore innovative solutions and economical material combinations, and is perhaps best known for his work on award-winning projects such as the Richmond Olympic Oval Roof, VanDusen Botanical Gardens Visitor Centre, and the Kingsway Pedestrian Bridge. His firm has been recognized with more than 80 national and international engineering awards, including the Supreme Award from the Institution of Structural Engineers for the Grandview Heights Aquatic Centre.

A registered engineer in Canadian, American and German jurisdictions, Paul was named an honorary member of the Architectural Institute of British Columbia and Fellow of the Institution of Structural Engineers in the United Kingdom in 2010. He also sits on advisory boards with the Structural Engineers Association of BC and the University of British Columbia's School of Architecture and Landscape Architecture.

More Information: www.iabse2017.org | info@iabse2017.org