



2017 TFG  
Conference

# New Ways to Frame Timber

*Gerald Epp*  
*StructureCraft*  
*Delta, BC*

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Timber framing is an old craft, and ingenious historical methods have been devised to connect the timber members in efficient and beautiful ways. Now that modern architecture is looking to stretch what wood can do in terms of both spans and applications, there is a new demand on engineers and builders to make these expectations possible, especially competing with stronger and more durable steel and concrete.

This presentation will give you a glimpse into one man's exploration of what is possible when higher demands are placed on timber, taking you through a variety of modern, long span architectural structures, and how they were designed and built with efficiency in mind. This will include all the practical details of connection, fabrication, erection, and how to enhance durability.

## **About the Speaker**

### **Gerald Epp**

Gerald Epp is at heart an engineer. Having consulted with leading architects for twenty-five years, he has developed a keen sense for good architecture in expressed structure, creating a strong demand for his consultation on buildings and footbridges. He started StructureCraft in the late 1990s as a response to the desire of architects to reconnect with the engineer and craftsman. Using the constraints of aesthetics, physics, and construction to shape the right solution, Mr. Epp continues to serve clients, giving projects overall vision, from the early concepts down to the execution of the details. He is licensed as Professional Engineer in a number of Canadian provinces and US states, and as a Structural Engineer in BC. His projects have won numerous awards for structural engineering innovation and efficiency. Mr. Epp has presented at many speaking engagements in North America and abroad, including the Royal Institute of British Architects.