

## – 2018 Keynote Presentation –

# INCREMENTS OF CHANGE: From Early Tall Wood Buildings to a Global Movement and Online Education

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## ABSTRACT

Architect Michael Green is well-known for his advocacy of the modern mass timber and tall wood movements. He is dedicated to bringing attention to several of the overwhelming challenges in architecture today. The first is climate change caused by the impact of the built environment. The second is the profound reality that over the next 20 years, 40% of our population will need a new affordable home. Michael believes in championing the shift to new ways of building and new timber based building systems that will complement the intersection of our greatest building challenges. Over the last decade a new conversation about sustainable cities and climate change has questioned the methods of the past and through a host of innovators and global voices for change, we have seen anew revolution of tall wood buildings proposed around the world. Advantages of wood design include:

- Lower embodied energy
- Lower operating energy (when appropriately designed)
- Pre-fabricated design, for ease and precision of construction
- Reuse at end of life
- Environmental impact indicators:
  - Carbon sink
  - Reduced GHG emissions
  - Reduced air/water pollution

## BIOGRAPHY

Michael Green is a Canadian architect recognized globally for his research, leadership, and advocacy in promoting the use of wood in the built environment. He lectures internationally on the subject, including his 2013 TED talk on “Why We Should Build Wooden Skyscrapers,” which has been viewed over a million times.