



## Continuing Education Course Booming Bamboo

# Booming Bamboo: The (Re)discovery of a Sustainable Material with Endless Possibilities

MOSO® offers the most complete continuing education (CEU) course about bamboo for architects that includes credits for AIA and AIA Canada (American Institute of Architects Canada Society) to continue their professional development.

AIA/CES Registered Provider  
AIA/CES Provider Number J624  
Preferred Provider: 1293

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## Booming Bamboo: The (Re)discovery of a Sustainable Material with Endless Possibilities

Course Number: AEC1369:1 (MB-EN-136902-0122) on January 29, 2020

PP Course Number: 23532

Certificate Number: 1949023-02676

AIA/CES Learning Units: 1 LU/HSW - 1 hour program

Learning Method: On demand e-learning

Score Achieved: 90.00%

Professional Development Hour (PDH): 1

Continuing Education Unit (CEU): 0.1

This course qualifies for HSW

GBCI Course Number: 920020794

IDCEC Approved CEU: 0.1 HSW - 1 hour program.. Course Code: CC-110576-1000 , Subject Code: 5.3 , Classification: Basic

*Daniel J Kappler*

Instructor: Dan Kappler



## Introduction

The leaders of cities design are architects that plan our residential and working buildings, community spaces, and transportation infrastructures. Their innovative and progressive changes include the use of renewable natural materials that contributes to the circular economy for the well-being of people and planet.

The growing global population is creating an increased demand for resources. As a result, there is a need to replace fossil-based and nonrenewable building materials with bio-based materials, such as bamboo.

## Purpose

Our presentation is to bring the awareness and further knowledge to persuade architects to consider the best products to build a better future for generations to come.

This course describes the properties of bamboo that make it a more sustainable choice due to its fast growth, CO<sub>2</sub> storing and biodegradable structure. It also discusses how active bamboo reforestation, and the use of durable bamboo products can lead to CO<sub>2</sub> reduction across many industries.

## Objectives:

- ⇒ Circular economy principle and how bio-based materials have the best ecological impact
- ⇒ Giant bamboo fast-growing resource, harvesting, and manufacturing processes of to create outstanding resilient materials
- ⇒ CO<sub>2</sub> Emissions of each manufacturing steps during the manufacturing and additional footprint accounting
- ⇒ Carbon footprint of bamboo vs other commonly used building materials.
- ⇒ Carbon sequestration by reforesting with bamboo and by using bamboo products that contribute ecosystem restoration
- ⇒ Bamboo awareness, global distribution challenges
- ⇒ Endless material applications