

TIMBER STRUCTURE DESIGN

Level I Certification Course

INSTRUCTOR: Dr. Dan Tingley, Ph.D., P.Eng. (Canada), MIEAust, CPEng, RPEQ

Dr. Tingley's 40 years of experience in non-destructive testing provides accurate data to develop and apply advanced restoration techniques to damaged areas. His approach to testing and repair extends the life of timber structures up to 75 years.

ATTENDEES WILL RECEIVE: 8 hours towards continuing education for P.E.

ATTENDEES WILL LEARN:

- Origins of wood deterioration and early detection
- Interior and exterior decay detection and its effects
- Core sample analysis versus sound bores
- Advanced methods of non-destructive testing techniques and equipment



Rendering of the new Nappan Marsh Bridge in Amherst, NS

FOR COURSE INFORMATION

Joy Snelgrove: snelgrovej@woodrandd.com

FOR HOTEL INFORMATION

Carole Blenkhorn: cblenkhorn@mlb.ca

Registration is \$500 + tx. Reserve your seat today!

PRESENTED BY



www.woodrandd.com

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www.wood-works.ca/atlantic/
info@atlanticwoodworks.ca

AND



www.timberrs.com

EVENT SCHEDULE

November 4, 2019

7:30 am - 5:15pm

includes

Tour of Nappan Bridge site

LOCATION DETAILS

Super 8 by Wyndham
40 Lord Amherst Drive
Amherst, NS B4H 4W6

Level I Certification Course Outline

7:30 am - 10:00 am

Timber Structure Introduction

Overview of inspection techniques and retrofit methods. Typical factors that cause decay in a timber structure and how to detect problem areas in advance.

- How do trees grow? How is wood formed?
- Wood deterioration due to biotic agents
- Effects of fungal decay of the properties of wood
- Detecting deterioration
- Exterior and interior detection methods

10:00 am - 10:15 am

Coffee break

10:15 am - 12:00 pm

Timber Structure Introduction, continued

- Visual inspections
- Moisture meter and core samples
- Non-destructive testing techniques and equipment
- Propagation measurement
- Preventing decay

12:00 pm -12:30 pm

Lunch break

12:30 pm - 2:15pm

Timber Structure Design

- Design concepts in bridges
- Design concepts with advanced solutions
- Advanced fiber solutions
- Connectors

2:15 pm - 3:00 pm

Timber Structure Inspection and Restoration

Non-destructive testing techniques using state of the art techniques and methods.

3:00 pm - 3:15 pm

Coffee break on route to site tour

3:15 pm - 4:30 pm

Site tour at Nappan Marsh bridge and return

4:30 pm - 5:15 pm

Test

Timber Structure Design Level I Course Registration Form

Full Name Nickname on ID badge

Company Job Title

Address City Province Postal Code

Phone Number Email Address

Do you have any special food requirements? If yes, please describe.

Do you have any disabilities requiring special assistance or equipment? If yes, please describe.

Registration/Cancellation/Refund Policy

Refunds will be issued if the course is cancelled by WRD Canada. Participant cancellation is subject to a 20% administrative fee by WRD. No cancellations or registrations will be accepted after October 28, 2019. Cancellations must be made in writing. Substitutions may be made for a \$60 processing fee.

I have read the Registration/Cancellation/Refund Policy -

WRD HST # 848135778RT0001

Fee: \$500.00 + tax

Methods of Payment

Cheque enclosed - payable to Wood Research and Development Canada

Credit Card payment - Please call 506-800-0302

EFT Payment - Please call 506-800-0302

Email this form to: snelgrovej@woodrandd.com

Wood Research and Development Canada

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