



COST
FP1101

ASSESSMENT, REINFORCEMENT AND
MONITORING OF TIMBER STRUCTURES

Training School on Reinforcement of timber structures

8th to 11th December 2014

National University of Ireland, Galway
Ireland

What ?

The course will be an intensive residential course for four days with lectures, exercises, and laboratory demonstrations. The course will be in English.

Invited speakers are internationally recognised experts in the field sponsored by COST FP 1101

Who ?

Recommended basis for the course is an academic degree in civil engineering or related areas. General knowledge of structural engineering including basic knowledge about design of timber structures is required . The course should be of interest to:

- PhD students, graduate students, academics and researchers in civil engineering or related areas
- Practising engineers with interests in timber structures

Where ?

**NUI Galway, College of Engineering and Informatics,
New Engineering Building, Galway, Ireland**



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OÉ Gaillimh
NUI Galway



Content & objectives

The focus will be on the reinforcement of timber structures using self-tapping screws and glued-in rods. Trainees will learn how undertake structural design of reinforcement for different situations. The programme will have a design-build-test format.

A grant of 600 Euros will be awarded to selected trainees to cover their travel expenses.

Registration

To register, please complete the on-line form available on: www.irishtimber.org/training-school

Registration for the course should be made not later than

10th of October 2014



Topics

Introduction to self-tapping screws – types and characteristics

Introduction to glued-in rods – types and characteristics

General design rules

Design of reinforcement for:

- Notched, double tapered, curved, pitched cambered beams
- Beams with holes
- Flexural and shear enhancement of beams
- Compressive stresses perpendicular to grain
- Connections

Details on www.costfp1101.eu & www.irishtimber.org