

UNIVERSITY OF THESSALY
School of Engineering - Department of Civil Engineering

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Wood products as building materials

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Wednesday **30/11/2022**, Time: **11:15**

Hybrid Seminar: **Room A1**, [MS Teams](#)

Live Streaming: [DIAVLOS](#), [YouTube](#)

Abstract:

A brief holistic approach of the application of wood building materials in Greece is presented using the appropriate wood species and wooden products. An examination of the wood building constructions is presented, and material failures are highlighted. Techniques and rules of applications which ensure the quality and long lifespan of the wood building constructions are suggested. The rules for the combined use of wood building materials with other building materials as concrete, metals, aluminum and glass are presented. The basic wood structure failures that must be avoided are presented, as

well as methods and techniques for the efficient control of errors that can be handled. Simple techniques and methods are suggested for the initial prevention or in situ conservation of wood building constructions, such as roofs, windows, doors, outdoor constructions exposed to the rain, humidity, extreme temperatures and/or in contact with the water or the ground. The necessity for correct specialization of all the participants that are involved in the design or production of



wooden building constructions (civil engineers, architects, wood technologists, technicians, wood product merchants) in Greece is emphasized.