





## Effect of Moisture Induced Stresses on the Mechanical Performance of Glulam Beams of Vihantasalmi Bridge

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Author: Hradil, Petr  
Fortino, Stefania  
Salokangas, Lauri  
Musci, Alessandro  
Metelli, Giovanni

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### Summary:

The present paper deals with the effect of moisture induced stresses (MIS) on the mechanical performance of a glulam beam of Vihantasalmi Bridge in Finland. MIS caused by high moisture gradients in a cross section of the glulam beam are calculated by a hygro-thermal multi-Fickian model for evaluation of moisture content, relative humidity and temperature in wood that is...

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