

Dr. Eng.Vasileios Tsipiras (**Greece**)

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COST FP1402, STSM Candidate



Personal

Years of experience in relevant field: 4
Expertise: CAE oriented modelling of Cross Laminated Timber (CLT) elements (members, plates, walls)
CAE oriented modelling of Glulam structures (tapered, curved, pitched cambered members)
CAE oriented analysis and design of wood composite beams (according to EC5 and ETAs)

Degree: PhD (08.01.2014)

Organisation

Software development team (<http://www.itech-soft.com/>)
Focus: design of structures, education / training and practical research and modelling of timber structures for software of development purposes
Facilities:
2 servers, 20 personal computers with the corresponding peripherals, 2 plotters.

No. of staff	PhD students	MSc/year
18	0	0

Research projects

- Mechanical design of wooden staircases (in collaboration with "AFEB" (French association of wooden staircases constructors)). (2014-today) (3 people involved)
- Mechanical design of wooden pallets (in collaboration with "FCBA" (French technical center for wood construction)" and "HPE" (German association of wooden pallets constructors)). (2012-today) (4 people involved) (<http://www.pallet-express.com/>)
- CAE oriented analysis and design of wood panels (according to EC5 and ETAs). (2013-today) (5 people involved) (<http://www.itech-bois.com/>)
- CAE oriented analysis and design of direct and indirect connection systems of timber elements with metal fasteners (according to EC5 and ETAs). (2011-today) (7 people involved) (<http://www.itech-bois.com/>)
- CAE oriented analysis and design of cross laminated timber elements. (2016-today) (4 people involved) (<http://www.itech-bois.com/>)

Publications

- Participation in the working group EL0T / TC 67 / WG5 Eurocode 5 "Timber Structures" (September 2014), which follows the corresponding works of the European Committee for Standardization CEN/TC 250 "Structural Eurocodes", having the subject of the revision of the norm EN1995-1-1:2005 [AC:2006 + A1:2008] (EC5 - Design of timber structures - general - common rules and rules for buildings): Compilation and assessment of proposed revisions.

