



Soutien Conférence 15th Wood Conference in Timber Engineering (WCTE) du GDR3544 Science du bois, 2018
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WCTE is the most prestigious international event in timber engineering, engineered wood products and design of timber structures, which is held biennially in different parts of the world and attracts researchers, engineers and architects, code consultants and building officials, contractors and project managers, fabricators and suppliers from all continents. WCTE 2018 held in Seoul, South Korea on 20-23 august 2018 was attended by participant from 54 countries that presented around 750 paper in oral and poster session. There were 8 different conference session which consist of materials, connections, structural performance, building performance and management, tall wood buildings, environmental impact and energy, traditional and historic structures, and educations and future trends.

Main message that I get from this conference is that more and more countries encourage the use of more wood in the building construction especially in the area with high seismic activity. Prof. Andy Buchanan gave speech about how New Zealand replaced the buildings in a town destroyed by earthquake by buildings made of wood using the post-tensioned timber. Some presentations also demonstrated the increase of the use of wood in tall timber building by using the combination of CLT and glue laminated timber in especially in the UK, USA, New Zealand, China, and japan. The future challenge would be how to develop mass timber manufacturing for the construction.

Attending this conference allowed me to present our research entitled “Mechanical properties of laminated veneer lumber (LVL) made from secondary quality oak and beech: the effect of veneer thickness” as a poster and publish a scientific article in the conference proceeding. The article presented here is a product of the collaboration between three leading French laboratories in wood science (UMR Silva, LERMAB, and LaBoMaP). The support of GDR3544 science du bois helps to promote and disseminate internationally the research carried out in France in the field of wood science. Moreover attending this conference help me to build networking with other researchers and experts in the same field and share thoughts on recent advances and technological breakthroughs in the timber construction.