Way LONG

Associate Professor, Department of Wood Science and Design, National Pingtung University of Science and Technology, Taiwan

Keynote title: *Violin sound source characteristics by using the microphone array analyzes*

Education Background:

Doctor of Philosophy, Institute of Tropical Agriculture and International Cooperation, National Pingtung University of Science and Technology, Taiwan, R.O.C.

Dissertation: The Detection of Formaldehyde Emission in Wood Based Materials by Using a Photoacoustic

Master of Science , Forestry, University of Maine – Orono, Maine, U.S.A.

Thesis: The Detection of Structural Damage in Medium Density Fiberboard by Using a Neural Network

Publications:

1. Uzu-Kuei Hsu, Chang-Hsien Tai, Kuei-Jyum Yeh, Way Long. 2023. IOP Conf. Series: Earth and Environmental Science 1194 (2023) 012026.

2. Way Long, Chun-Chun Chien. 2022. Use of Scanning Laser Technology to Obtain the Erhu Vibroacoustic. Bulletin of the Transilvania University of Brasov. Series II: Forestry, Wood Industry, Agricultural Food Engineering. Vol.15(64):97-106.

3. Way Long, Chun-Chun Chien. Frances Chen. 2019. Assessing the vibroacoustic properties of bamboo based composite soundboards in violin. Pro Ligno, Vol.15(4):212-219.

4. Bor-Tsuen Wang, Way Long, Ru-Lin Wen, Yan-Zhe Yang, Kai-Ling Ma. 2019. Simulation of Violin Structural Vibration Modes and Air Acoustic Modes. The 17th Conference on Precision Machinery and Manufacturing Technology-PMMT2019.A043:1-7.

5. Bor-Tsuen Wang, Way Long, Kai-Ling Ma, Yi-Wei Li, Yan-Zhe Yang, Ru-Lin Wen. 2019. Application of CAE and EMA to Determination of Mechanical Properties for Violin Top Plate Materials. The 17th Conference on Precision Machinery and Manufacturing Technology-PMMT2019.A042:1-8.

6. Way Long, Chun-Chun Chien. 2019. Modified Acoustic Property of Bamboo Violin Soundboard using the Microphone Array Method. 14th Annual International Symposium on Environment. p26.

7. Way Long, Chun-Chun Chien. 2018.The Application of Microphone Array Method in Violin Soundboard. Proceedings of the 61st International Convention of the Society of Wood Science and Technology. p313-320.

Research Area of Interest:

1. Sound quality, NDT, Green materials, Circular economy