

Wooden Architecture: Digital Carpentry

Vaneza Caycho

Vaneza Caycho, Fab Lab Lima

Abstract

The wood industry in Perú is made for many years by a traditional industry. It is characterized by low technological advancement in the design and manufacturing process, the low diffusion of modern management and standardization in their results. Moreover spaces in homes are becoming smaller and families need to optimize adaptable equipment to have a better quality of life. With the use of new tools of the Digital Fabrication, CNC machines, parametric design softwares, solve a strong demand in this market, resulting in the design and fabrication of innovative architectural spaces, which occur in society a better quality of life where families and generally all public to interact with them creatively. One solution to this need will have buildable separable and transferable to interact with the user, also contribute to the manufacturing industry to generate production of products that can be traded from digital platforms where users can participate in the customization process. With this concept we create [iFurniture] entrepreneurial project for the design and fabrication of interactive spaces where through the technology we can develop and personalized furniture and architectural equipment, modular, space-saving and can be adjusted through numerical parameters and the need for a person codes, reaching Furniture robotics. Our proposal will seek solutions in the development of digital manufacturing products which may be related to Universities, Schools of Design and Technology Entities base.



iFurniture
[mobiliarios online personalizados]

[Diseño]
[Arte]
[Tecnología]
[Fabricación Digital]



Wooden Architecture: Digital Carpentry Research and Develop Department Fab Lab Lima

The wood industry in Perú is made for many years by a traditional industry. It is characterized by low technological advancement in the design and manufacturing process, the low diffusion of modern management and standardization in their results. Moreover spaces in homes are becoming smaller and families need to optimize adaptable equipment to have a better quality of life.

With the use of new tools of the Digital Fabrication, CNC machines, parametric design softwares, solve a strong demand in this market, resulting in the design and fabrication of innovative architectural spaces, which occur in society a better quality of life where families and generally all public to interact with them creatively. One solution to this need will have buildable separable and transferable to interact with the user, also contribute to the manufacturing industry to generate production of products that can be traded from digital platforms where users can participate in the customization process.

With this concept we create [iFurniture] entrepreneurial project for the design and fabrication of interactive spaces where through the technology we can develop and personalized furniture and architectural equipment, modular, space-saving and can be adjusted through numerical parameters and the need for a person codes, reaching Furniture robotics.

Our proposal will seek solutions in the development of digital manufacturing products which may be related to Universities, Schools of Design and Technology Entities base.

Vaneza Caycho
Furniture Designer and digital Fabrication Research
Lima, Perú