



Keynote Address of Mrs Prof. Nadia Magnenat Thalmann

Cultural Heritage in Fashion: Preserving Ancient Dresses through 3D Simulation

Garments are very delicate as they deteriorate over time. Due to their fragility, most of the clothes of the past have disappeared. For those remaining, they need a lot of care to be kept in good shape and mostly, ancient collections are in fridge for protection. Over time, it is very costly to show them to the public as they can be damaged and consequently, the remaining ancient garments are rarely shown. One way to keep them over time is to model them in 3D and show them in virtual fashion shows or even virtually try them on. In our presentation, we will describe the basic research that is necessary to simulate these garments properly with the information we have. We mostly start from drawings or photos or from an existing real cloth. We will show several case studies we have been working on: The simulation of a full collection of clothes of the sixties and eighties that have been shown in museums in Geneva. Moreover, we will also show how we can in the coming future virtually try on any historical garment that has been done and see how it possibly would fit on ourselves.

