MoCap Tango: Materializing Movement Qualities

Abstract
This video shows the ongoing design research project MoCap Tango. The project highlights the subtle qualities embedded in the physical dialogue between two tango dancers from a design perspective. Using custom-made wearables fitted with passive markers, in an optical Motion Capture System, the movements of two world-class tango dancers are captured. This data is used to experiment with real-time visualisations and 3D printed materialisations of the movements. The video presents the current state of the project, showing public performances in which the system was used as well as current work to use the data to create animations and 3D printed sculptures. Interviews with part of the design team highlight motivations for the project and discuss its relevance for embodied interaction design.

Author Keywords
Embodiment; design research; experience; dance; tango; performance; visualisation

ACM Classification Keywords
H.5.m. Information interfaces and presentation