

Salgado, M. Salazar, D (2014) Corporeal Inscription in *Dance and the Digital Festival*.  
University of Bedfordshire, 26th of April 2014.

## **ABSTRACT:**

In recent years there has been increased interest in developing systems for interactive dance performance. This has been supported by sophisticated developments in motion tracking technology as well as increased accessibility of wearable technologies and tracking devices at a consumer level. These developments facilitate the investigation and development of new approaches and theoretical developments in the **relationship between the body and technology in terms of interactivity, mediation and embodiment**.

This paper will present preliminary findings resulting from the authors' own initial explorations into **synesthetic relationships between sound and dance**. Although this practice-based research does incorporate motion capture devices a primary goal is to examine relationships **beyond synchronicity with tangible gestural shaping, instead seeking more profound levels of expression**.

The intention of the project is twofold; on the one hand the project aims to develop a new creative work as the result of understanding and building upon the experiences and responses of both dancer and composer during the research process.

This would be built upon an expressive architecture in which not only are the traditional boundaries of composer, performer and dancer challenged but the audience is invited to explore a dialogue between dancer and sound that **evokes deeper understanding of human intention**, experience and expression. On the other hand this project aims to explore approaches related to the negotiation of control and correspondence and locating and translating physicality in order to develop a new theoretical model. The project will be situated in the wider framework of existing practice-led research in interactive dance.