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## Plan Overview

*A Data Management Plan created using DMPonline*

**Title:** Interdisciplinary Insights: Dance, Motion Capture and Cultural Identity

**Creator:** Zhi Xu

**Principal Investigator:** Dr Zhi Xu

**Data Manager:** Dr Zhi Xu

**Project Administrator:** Dr Zhi Xu

**Affiliation:** Bath Spa University

**Funder:** Bath Spa University

**Template:** BSU Data Management Plan

**ORCID ID:** 0000-0002-7819-4517

### Project abstract:

My research project explores the fascinating world of motion capture (MoCap), strategically installed in Bath Spa University's TV Studio B, Commons with investment from MyWorld. Focusing on choreography and creative education, my investigation unfolds across multiple dimensions, offering unique insights and opportunities.

Primarily, I aim to gain a deeper understanding of cultural identity through the lens of intercultural dancing bodies. This entails an examination of how dance serves as a powerful vehicle for exploring and expressing the rich tapestry of cultural diversity.

Additionally, I delve into the intricacies of dance composition, leveraging MoCap to unlock innovative choreographic potentials. My research uncovers the ways in which technology enhances creativity within dance.

I am passionately dedicated to fostering interdisciplinary research partnerships, bridging the realms of dance, music, design and education. This collaborative approach promotes dynamic exchanges of ideas.

Importantly, my project aligns seamlessly with Bath Spa University's Strategy 2030 by advancing the objectives of 'Creativity' and 'Talent'. It represents a dynamic intersection of creative expression, technology and education, with the overarching aim of enriching our understanding of dance and driving innovation within the field.

In summary, this multifaceted research endeavour promises to make a significant contribution to the fields of choreography and dance education, while promoting creativity and interdisciplinary collaboration.

**ID:** 153616

**Start date:** 01-03-2024

**End date:** 31-07-2024

**Last modified:** 17-07-2024

**Copyright information:**

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# Interdisciplinary Insights: Dance, Motion Capture and Cultural Identity

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## Overview

### Name of Principal Investigator(s)

Dr Zhi Xu

### ORCID ID

0000-0002-7819-4517

### Investigator(s) contact details

z.xu@bathspa.ac.uk

### Funding application title

*Interdisciplinary Insights: Dance, Motion Capture and Cultural Identity*

### Funding body

Bath Spa University

### Total funding required

£4250

### Project description

My research project explores motion capture (MoCap), installed in Bath Spa University's TV Studio B, Commons, with investment from MyWorld. Focusing on choreography and creative education, it offers unique insights into cultural identity through intercultural dancing bodies, examining dance as a vehicle for cultural diversity. Additionally, it leverages MoCap to innovate in dance composition, enhancing creativity through technology. A live dance performance *Being River* was completed and premiered at the University Theatre on 3rd July 2024.

## Data Collection

### What data will you collect or create?

Footage from rehearsals and the premiere; photos from rehearsals and the premiere.

### How will the data be collected or created?

The data will be collected during rehearsals with dancers and collaborators. A mobile phone and a Sony camera will be used to collect

the data. Motion capture data will be generated by the dancers using the OptiTrack MoCap system.

## **Documentation and Metadata**

### **What documentation and metadata will accompany the data?**

Project Information Forms, consent forms and BSU Ethical approval forms will accompany the data.

## **Ethics and Legal Compliance**

### **How will you manage any ethical issues?**

This project does not raise significant ethical issues. Full consent forms will be obtained from the dancers.

### **How will you manage copyright and intellectual property (IP) issues?**

Copyright and consent forms will be held by the principal investigator and BSU. This will be made clear to all participants prior to publication.

## **Storage and Backup**

### **How will the data be stored and backed up during the research?**

The data will be stored and backed up on OneDrive and a specific hard drive for this research project. The data will be transferred to BathSpaData after completing the project.

### **How will you manage access and security?**

All research data, footage and details will be stored on a password-protected laptop provided by BSU and a password-protected hard drive. Only the principal investigator can access the full data.

## **Selection and Preservation**

### **Which data should be retained, shared and/or preserved?**

The data, including footage and photos from rehearsals, the premiere, and the creative process of the research, will be retained.

### **What is the long-term preservation plan for the dataset?**

The dataset will be destroyed after 10 years if no access is needed for publication and research purposes.

## Data Sharing

### How will the data be shared?

Data will be shared through publications and presentations.

### Are any restrictions on data sharing required?

No

## Responsibilities and Resources

### Who will be responsible for data management?

The principle investigator

### What resources will you require to deliver your plan?

Laptop provided by BSU  
The University Theatre, Bath Spa University  
TV Studio B in Commons  
Dance studios

## Signoff

**I confirm that I have read the Bath Spa University Research Data Policy and any relevant policy for my research funder.**

Dr Zhi Xu, 18 July 2024

# Planned Research Outputs

## Event - "Being River"

*Being River* delves into the embodiment of identity and the entanglement between dancing bodies and cutting-edge technologies, including virtual reality, motion capture, real-time interaction and sensors. This innovative performance explores the concept of intercultural identity and transcultural experiences, metaphorically represented through the inherent qualities of a river—fluidity, continuous movement and adaptability. By merging the artistry of dance with advanced technological interventions, *Being River* prompts audiences to reflect on the dynamic and ever-changing nature of identity.

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### Planned research output details

| Title       | DOI | Type  | Release date | Access level | Repository(ies) | File size | License        | Metadata standard(s) | May contain sensitive data? | May contain PII? |
|-------------|-----|-------|--------------|--------------|-----------------|-----------|----------------|----------------------|-----------------------------|------------------|
| Being River |     | Event | 2024-07-18   | Open         | None specified  |           | None specified | None specified       | No                          | No               |