

Digital Practice and Pedagogy at UCLDH: Reflections on Collaboration across Boundaries

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UK-Ireland
Digital Humanities
Association

Overview

- UCL and MA/MSc in Digital Humanities
- UCL Digitisation Suite/Imaging Lab
- Digitisation teaching
- Digitisation research
- *Argument:* digitisation/imaging lab beyond service space



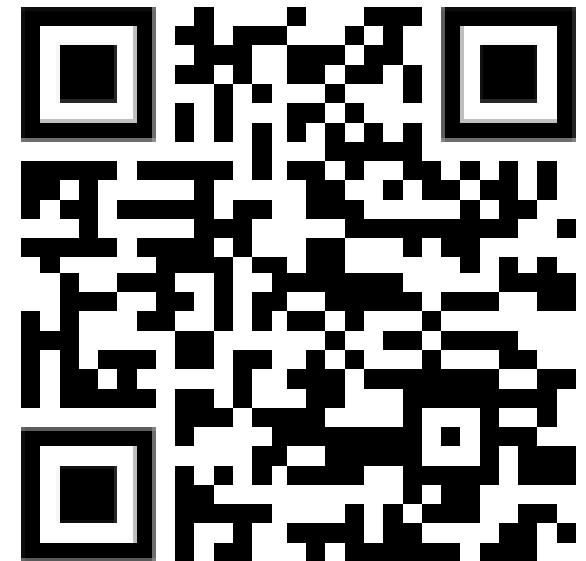
The UCL Digitisation/Imaging Suite

Teaching Digital Humanities at UCL

1. PhD in Digital Humanities, BSc in Information Society
2. MA/MSc in Digital Humanities (1-year full-time)
3. Core modules:
 - Introduction to Programming and Scripting
 - Digital Industry: Culture and Innovation
 - Digital Humanities Research Methods
 - Internet Technologies
 - Global Digital Humanities
4. Skills taught: data visualisation, network analysis, programming, machine learning, GenAI, digitisation, social media critique

Teaching Digital Humanities at UCL

- We're currently conducting a career destination survey for graduates from UK/Ireland DH programmes and trainings (more to follow at the end of 2025)
- **15 institutions across UK-Ireland:** UCL, King's, SAS, Sheffield, Glasgow, Cambridge, Durham, Lancaster, Leeds, UEA, Canterbury Christ Church University, Exeter, Newcastle, York, University College Cork, University of Galway
- What does 'digital humanities' mean for your career?



Introduction to Digitisation



UCL Digitisation class – digitising the Bentham catalogue



UCL Digitisation class students doing placements at the V&A Museum

Digitisation/Imaging Lab

- *What role can a **humanities lab** play in transforming traditional academic practices?*
- “DH labs are unique in their ability to combine traditional humanities research with digital tools and methodologies” (Pawlicka-Deger and Thomson, 2023)
- **Important bridge connecting the academic with the industrial, beyond service space**



Types of humanities labs

- Computer based – KDL
- Makerspace – UCL DH
- Visual presentation – Wuhan University
- more ...



Question

- UCL Digitisation Suite - a Lab in the Humanities Faculty
 - First university digitisation lab in the UK
- Question:
What role can it play in transforming academia and bridging the industry?



The UCL Digitisation Suite

Teaching digitisation

- Across programmes: MA/MSc in DH, MA in ARM, MA in LIS, BSC
- Hands-on practical of 2D and 3D objects and critical discussions
- Closely working with UCL library and museum, and beyond



Digitisation class practices



Digitisation students at the V&A



Digitisation students at the British Library

Teaching digitisation

- Challenge one – *how do we deliver a good teaching?*
- Boyer's model (1990): discovery, integration, application and teaching
- Student placements – V&A and NHM
- **Key component:** the design of workflow and standard for 4000+ paintings



V&A digitisation project

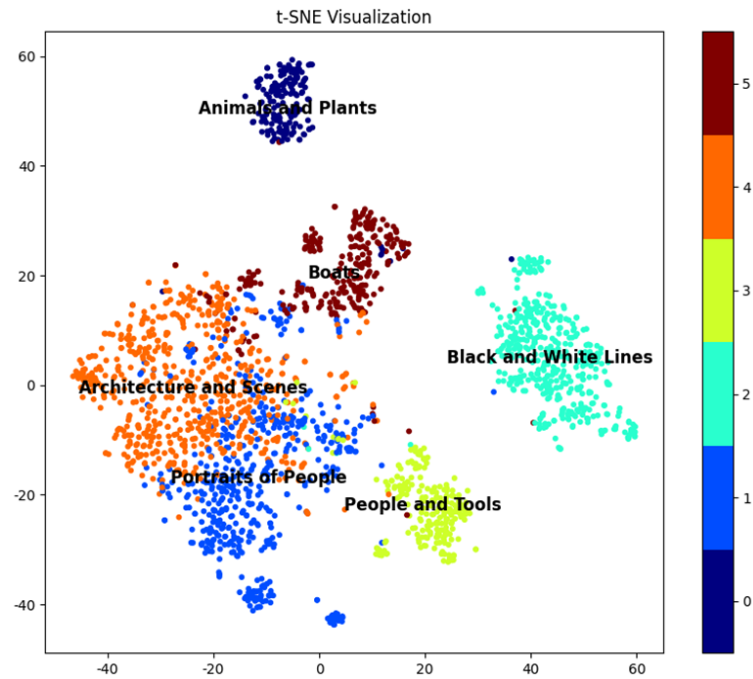


V&A CEW collection



NHM digitisation project

Teaching digitisation – fill in the research gap

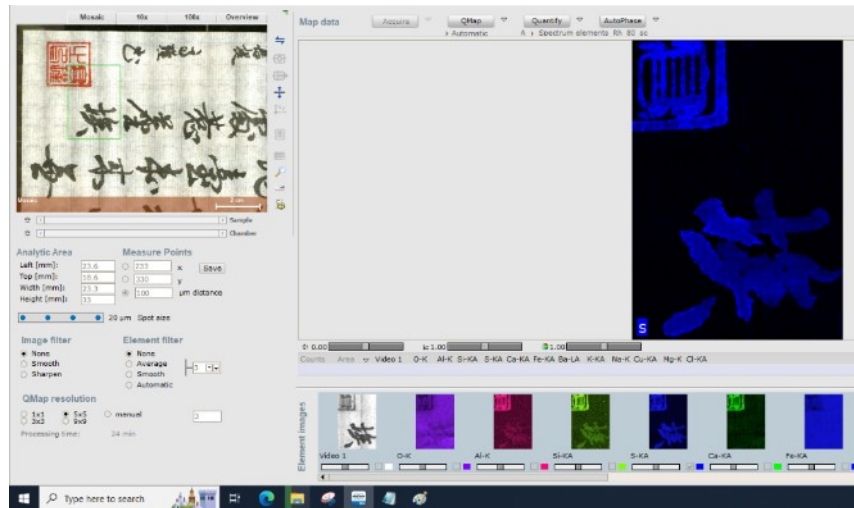


9290:11	D.2255-1885	D.2253-1885	9290:9	D.2254-1885	9290:3
D.83-1886	D.125-1898	D.2248-1885	D.2239-1885	D.34-1903	D.19-1903

The similar paintings example from the V&A's Chinese Export Watercolours, acquired 1871-1990

Digitisation research 1

- Challenge two: *how do we bridge?* - ***match the solution with the question***
- Case study 1: X-ray imaging on Chinese calligraphy
- Test using modern Chinese calligraphy, detect elements, test with multi-layers



Solution: X-ray on Chinese calligraphy



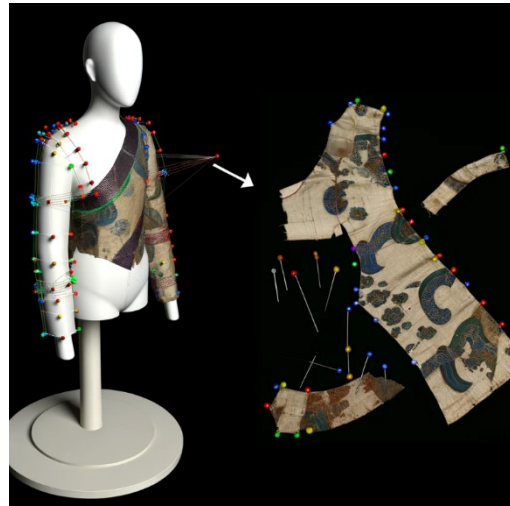
Question: 'Book bricks'

Digitisation research 2

- Case study 2: Textile fragments from V&A Stein Dunhuang collection
- Match image processing and 3D modelling with the fragments
- The Stein Dunhuang textile fragments, 2-9th Century



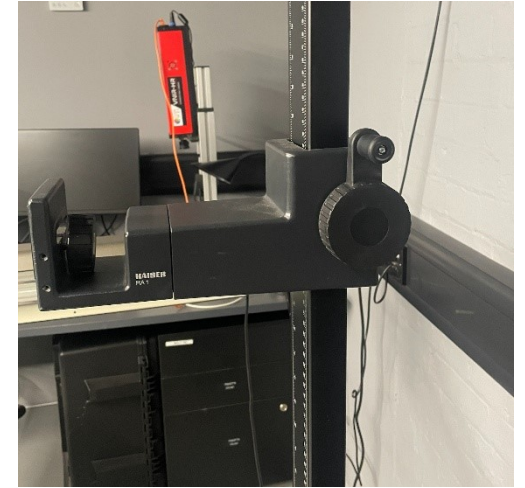
Solution: Photogrammetry in clothing



Question: Textile fragments from V&A Stein collection

Lab maintenance

- Challenge three: *how do we manage the lab sustainably?*
 - Technical: technologies evolve quickly, data preservation
 - Financial: teaching, research grant, consultancy
 - Maintenance: lab manager recruitment, collaboration across teams
 - Organisational: strategic planning, curriculum and research development
 - Environmental: energy consumption, e-waste management
- Bridging the gap and shaping the future of digitisation



Broken lens and copy stand in the suite

Credits and acknowledgement

- Melissa Terras, the founder of UCL Digitisation module and lab
- V&A colleagues: Hongxing Zhang, Sau Fong Chan, CIT team, Asia Department colleagues, VARI colleagues
- NHM colleagues: Andrea Hart, Jon Nicholls, Rebecca Keddle
- Adam Gibson (2024), *Digitisation Suite Report 2023-2024*
- Simon Mahony (2024), *Non-invasive and Non-destructive Computational Imaging of Ancient Texts*, Dunhuang 2024
- UCL colleagues: Ryan Wang, Xiangchao Meng, Bethany Johnstone, DH teaching team, ARM teaching team, other UCL collaborators, and most importantly, all students!

Thank you!

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