Call for Participation:

Computer Vision for Digital Humanists

Winter School (8--10 February 2023)

A three-day winter school hosted by the University of Graz

Computer Vision has become a very relevant skill for many Digital Humanists, but it is hard to distinguish how we can best budget our time and efforts to engage with this new technology. This workshop will provide a conceptual introduction to the processes involved, coupled with hands-on exercises that focus on the ways that we, as humanists, can curate content and manage metadata to make the best use of new tools available.

No advanced mathematics or computer science are presumed, but participants should be comfortable working with the Python command line (e.g., Anaconda) and running Jupyter notebooks.

WORKSHOP SCHEDULE

The workshop is made up of six 3-hour sessions (half lecture, half practicum) over the course of three days. Each day will be split between theoretical and practical sessions, with hands-on exercises designed to explore the topics of the day.

Wednesday Machine learning/Computer Vision fundamentals: what do we mean when we talk about machine learning, and how do computers ``see''?

Thursday DH data management for Computer Vision: how can we, as digital humanists, prepare our data for better results in Computer Vision workflows?

Friday Applications of Computer Vision: how are projects using Computer Vision in the humanities and what does that that actually entail?

*Parts of the workshop may be filmed for instructional purposes

Coffee, snacks, and lunches will be provided.

STAFF

Dr. Angelos Nicolaou is an expert in computer vision and works on the ERC *DiDip Project* .

Germaine Götzelmann is a Digital Humanist focusing on Computer Vision at Karlsruhe Institute of Technology's Steinbuch Centre for Computing.

Niklas Tscherne, MA works on Computer Vision-based approaches to medieval and early modern charters.

Suzana Sagadin works on the application of computer vision to a database of historical photos.

Dr. Sarah Lang conducts public-facing education on DH topics on the *LaTeX Ninja blog* .

Dr. Sean M. Winslow teaches heritage imaging at the Uni Graz.

IMAGE SOURCE

``Robot Scanning Cat''
Hybrid AI/Manual process by Sean Winslow, using Stable Diffusion and Photoshop.

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