

# PostDoc in Machine Learning/Computer Vision and Robotics (CCHT@Ca'Foscari) - (2100000V)

The Centre for Cultural Heritage Technology ([CCHT](#)) of the Istituto Italiano di Tecnologia (IIT) in Venice focuses on researching and promoting new technologies for recording, documenting, analyse and preserve Cultural Heritage in a broad sense (artistic, archaeological, archival, historical heritage). A strongly interdisciplinary infrastructure, the Centre combines expertise from computing and conservation sciences domains, integrating these competencies to foster cutting-edge research.

[CCHT](#) is currently seeking to appoint a **Junior PostDoc** with a solid background in **Robotics and Machine Learning** applied to **Computer Vision** (3D modelling/reconstruction). The appointed researcher will consolidate CCHT expertise in the development of **a 3D digitisation system using robotic arms to capture multiview images of Cultural Heritage objects**.

Required qualifications:

- A Ph.D. in computer science or related field (with preferred specialisation in Machine Learning/CV and/or Robotics);
- Experience in developing scripts to control robotic arms (e.g. UR robots);
- Experience in Deep neural network model design and implementation (using common frameworks as Pytorch, TensorFlow, etc.);
- Proficiency with programming languages (e.g., Python, C/C++);
- Proficient in English language (written and oral);
- Experience in the computer vision field (for example, but not limited to, 3D reconstruction from RGBD data, photometric stereo, structure from motion, structured light systems, etc.) or machine learning applied to computer vision.

Desirable skills:

- Strong track record of research publications in top tier conferences and journals (e.g. CVPR, ICCV, ECCV, NIPS, TPAMI, IJCV, IVC, CVIU);
- Good communication skills and ability to cooperate;
- Interest in cultural heritage (applications to archaeology, art, artefact studies etc.) and, more broadly, Digital Humanities.

**The successful candidate will be offered a competitive salary commensurate to experience and skills.**

The call will remain open until the position is filled, but a first deadline for the evaluation of candidate will be on **April 1st 2021**.

**Your application must include (as separate documents):**

- a detailed CV (including a list of publications)
- a research statement, expanding on current and past research
- 2 representative publications in PDF or (open access) links to them
- name and contacts of two referees

Your application must be submitted through the online form available [here](#).

Istituto Italiano di Tecnologia (IIT), with its headquarters in Genova, Italy, is a non-profit institution with the primary goal of creating and disseminating scientific knowledge and strengthening Italy's technological competitiveness. The institute offers state-of-the-art equipment and a top-level interdisciplinary research environment focused on robotics and computer vision, neuroscience, drug discovery, nanoscience and technology.

Istituto Italiano di Tecnologia is an Equal Opportunity Employer that actively seeks diversity in the workforce.

*We inform you that the data you provide will be processed for the sole purpose of evaluating professional profiles and selecting them according to the needs of the Fondazione Istituto Italiano di Tecnologia. Your data will be processed by the Fondazione Istituto Italiano di Tecnologia, based in Genova, Via Morego, 30, as Data Controller, in compliance with the rules on protection of personal data, including those related to data security. We also inform you that, pursuant to article 15 and following articles of EU Regulation 2016/679 ("General Data Protection Regulation"), you may exercise your rights at any time by contacting the Data Protection Officer (telephone 010 28961 - email: dpo[at]iit.it)*

**Primary Location**

VENEZIA

**Job**

Postdoc

**Organization**

Cultural Heritage Technologies

**Job Posting**

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