



Trinity College Dublin

Coláiste na Tríonóide, Baile Átha Cliath

The University of Dublin

Job Description

Job Title: PhD in Computer Science (Computer Vision and Multimodal Learning)

School of Computer Science and Statistics, Trinity College Dublin, Ireland

We are seeking a highly motivated candidate for a fully funded PhD position to work in Multimodal Learning for Computer Vision applications.

The successful candidate will join the Computer Vision and Pattern Recognition Lab, led by Prof. Subrahmanyam Murala, at the School of Computer Science and Statistics, Trinity College Dublin, Ireland. The research will focus on developing deep learning-based solutions for various computer vision applications, providing an excellent opportunity to work at the forefront of this rapidly evolving field. You can find more information about Prof. Subrahmanyam Murala and his work at <https://www.scss.tcd.ie/~muralas/>.

The School of Computer Science and Statistics at Trinity College Dublin is a collegial and research-intensive center known for academic excellence. It has been consistently ranked as the #1 computer science school in Ireland, among the top 25 in Europe, and within the top 100 worldwide according to the QS Subject Rankings in 2018, 2019, 2020, 2021 and 2023.

The PhD student is expected to conduct fundamental research in the field of computer vision, aiming to advance the current state of knowledge. The student will be encouraged to publish their findings in top-tier conferences such as CVPR, ECCV and ICCV, as well as in leading journals including IEEE Transactions on Image Processing (TIP), IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI), and the International Journal of Computer Vision (IJCV). This will provide the student with the opportunity to contribute to and be recognized by the global research community.

The start date of the position is September 01, 2024. The position is fully funded for 4 years by the School of Computer Science and Statistics, Trinity College Dublin, Ireland.

The successful candidate will require the following skills and knowledge:

- Bachelor or Master in Computer Science or Electrical Engg. or Electronics and Communications Engg. or related fields.
- Strong competence in computer vision, signal and image processing, deep learning.
- Solid experience in academic research and publications is an advantage.
- Additional background in math, statistics, or physics is an advantage.
- Hands-on experience in training deep learning models.
- Hands-on experience in computer vision application development such as OpenCV, TensorFlow, PyTorch, CUDA
- Strong programming skills in C++, Python. Capability in implementing systems based on open-source software.



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Applicants should provide the following information:

- A comprehensive CV.
- Academic transcripts of Bachelor and Master's degree.
- The name and contact details of two referees.

Interested candidates are encouraged to contact Prof. Subrahmanyam Murala (<https://www.scss.tcd.ie/~muralas/>) via email for an informal discussion about the PhD position. The deadline for application submissions is **July 15, 2024**. Prospective candidates are encouraged to submit their applications as early as possible to ensure they are considered for this exciting opportunity.