Machine Learning for Long-Term Video Understanding

**Type of award**  PhD Research Studentship

**Department**  Computer Science

**Scholarship Details**  Minimum £17,668 p.a. subject to confirmation of award.

**Duration**  3.5 years

**Eligibility**  Home and international students

**Start Date**  From May 2023

**Application Deadline**  Please get in touch as soon as possible, latest by 30th June 2023. Applications will be open until filled.

**PhD Topic Background/Description**
Applications are invited for one fully funded PhD studentships in Computer Vision and Machine Learning on the topic of Long-Term Video Understanding.

The project will be around long-term video understanding as specified in the title. The aim is to go beyond the seconds into the minutes and hours of edited as well as unedited videos (e.g. movies as well as vlogs and videos from wearable cameras). The exact project will be decided around the student's interests and expertise in line with myself and external collaborators.

The successful applicant will work in a vibrant computer Machine Learning and Computer Vision lab, with more than 9 PhD students and 3 postdoctoral researchers working on closely related topics. For an insight into the supervisors' current and previous works, refer to:

Prof Dima Damen [http://dimadamen.github.io/](http://dimadamen.github.io/)

**Further Particulars**

**Candidate Requirements**
Applicants must hold/achieve a minimum of a Master’s degree (or international equivalent) in computer science, mathematics or other relevant discipline. Applicants without a Master’s qualification may be considered on an exceptional basis, provided they hold a first-class undergraduate degree. Please note, acceptance will also depend on evidence of readiness to pursue a research degree.

Basic skills and knowledge required:

- **Essential:**
  Solid mathematical ability and excellent programming skills.
  A solid knowledge of Machine Learning and Computer Vision.
Prior expertise in working with any of these multimodality combinations: video, video+language or video+audio understanding.
An interest in research and loads of patience.

- **Desirable (not necessary):**
  Publication as first author in Computer Vision or Machine Learning venues.

**Scholarship Details**
Studentships for this research will receive a minimum stipend equivalent to the UKRI tax-free stipend of £17,668 per annum and tuition fees covered for 3.5 years (as a full-time student).

This studentship open to both Home and International applicants.
This studentship will be funded by industry and has no eligibility requirements.

**Informal enquiries**
For questions about the research topic please contact Prof Dima Damen Dima.Damen@bristol.ac.uk

For questions about eligibility and the application process please contact SCEEM Postgraduate Research Admissions sceem-pgradmissions@bristol.ac.uk For applications contact Ms Marina Galetaki

**Application Details**
Prior to submitting your application, please send your CV, and all transcripts (in English) to Ms Marina Galetaki at: mg15955@bristol.ac.uk.

If shortlisted, you will be required to attend a total of 2 interviews. Successful applicants will be invited to submit a full application with references. No indication of an offer can be made until we receive a completed application.

To apply for this studentship, submit a PhD application using our online application system [www.bristol.ac.uk/pg-howtoapply]

Please ensure that in the Funding section you tick “I would like to be considered for a funding award from the Computer Science Department” and specify the title of the scholarship *Machine Learning for Long-Term Video Understanding* in the “other” box below along with the name of the supervisor.