

## Research guidelines for part sponsoring a PhD student in Computer Vision

### Eligibility and selection

1. £18,000 research grant is available to contribute towards tuition fees of a successful PhD student. Home/EU and International students can apply, however International students need to pay the difference for the tuition fees. The applicant is also responsible for her/his cost of living. Full-time and part-time applicants are both considered.
2. The research grant is only available for PhD students who are not currently registered for a postgraduate research degree at London Metropolitan University.
3. The University normally accepts applicants onto the MPhil/PhD route. This research grant is subject to regular review through the assessment of successful progression by The School of Computing and Digital Media - Research Student Progress Group (RSPG).

Completed application forms should be emailed to [research@londonmet.ac.uk](mailto:research@londonmet.ac.uk) and should include '**Computer Vision**' in the subject line/box of the email.

### Student Responsibilities

All recipients of Postgraduate Research Scholarships at London Metropolitan University are required to comply with the University's Postgraduate Research Degree Regulations and Procedures. MPhil/PhD students are assessed regularly by one of the University's School based Research Student Progress Groups (RSPGs). These Groups independently assess: regular progress reports and associated written material; and, applications for upgrading/transferring from MPhil to PhD (which must be submitted by the end of the first 12 months or 18 months of registration). Students who do not successfully apply for registration or upgrading within these deadlines, or whose progress reports are referred at two successive Research Student Progress Groups, will normally be required to withdraw.

Fee Scholarship student is eligible for the same leave entitlements as those in receipt of UK Research Council Studentships and students who need to suspend their registration on personal or health grounds can do so for periods of up to 6 months, but must apply in advance.

The PhD student will have two hours of workshop/tutorial teaching duties a week during the semesters. The teaching duties will be assigned by Professor Karim Ouazzane - Lead Supervisor. The PhD student will further mark scripts related to workshop/tutorial teaching duties, assigned by Lead Supervisor.

### Supervisor Responsibilities

At enrolment, successful applicants for Postgraduate Research Scholarships will normally be allocated a supervisory team of two to three supervisors.

Supervisory teams comprise a Lead Supervisor (an experienced supervisor responsible for ensuring that the student complies with the University's Postgraduate Research Degree Regulations and Procedures) and usually one additional supervisor. One member of the supervisory team will adopt the role of lead supervisor, providing the bulk of supervisory input. Collectively, the supervisory team will provide a minimum of 44 hours of supervisory contact time per annum.

### Learning Agreement

The successful candidate will be required to sign an undertaking at enrolment that she/he has read and accept the conditions of the Scholarship award as outlined in this policy and procedures.

**The successful applicant will be asked to sign a form stating that if she/he ceases the research during the Scholarship period they will undertake to repay the sum of the Scholarship received back to the university.**

## Application

The application form should be completed, attached to an email, and sent to [research@londonmet.ac.uk](mailto:research@londonmet.ac.uk) by **20<sup>th</sup> Nov 2016**. The email should include '**Computer Vision**' in the subject line/box. It is intended that correspondence with applicants will be conducted by email.

## Selection Process

Applications will be reviewed by subject specialists. Shortlisted applicants will be interviewed.

## Formal offers and enrolment

The Research and Postgraduate Office intends to contact successful applicant to make a formal Scholarship offer. Successful applicants will be required to confirm whether they are able to accept the offer. Applicants who accept an offer will normally be required to attend an enrolment appointment in person at the Research and Postgraduate Office in London. The successful applicant will sign a form to undertake, if she/he decides to leave the research during the three years, she/he will be responsible for paying the tuition fees used for the student's enrolment back to the university to enable the university to recruit another PhD student to complete the research project.

Due to the high volume of applications, it will not be possible to provide individual feedback. If you have not heard from us by 28<sup>th</sup> Feb 2017 you should assume that on this occasion you have not been successful.

## Research description

Moving object detection and recognition is important in automated visual surveillance systems, traffic monitoring and vehicle operators around worksites to be aware of their surroundings in terms of infrastructure. Online identification of objects people or group of people within a crowded environment is leading to a description of their actions and interactions. Camera, Sensor based surveillance and monitoring systems have been available for many years. Industry and commerce have used security systems for number of purposes such as intruder detection, face recognition, object movement, customer monitoring and city centre crime detection. There are still major problems with the traditional security systems and further work on monitoring human operator is required to monitor the camera images at all times when security is to be maintained, visually scanning the images to determine whether or not suspicious activity is taking place. The main focus of this research should be on providing solutions to problems related to visual detection, identification, classification, recognition and tracking of static and/or dynamic objects in live video stream from various video cameras (CCTV camera, Web camera, TV camera, etc.).

To apply, please write a 3 - 5 page research proposal with 5 to 10 references, complete the MPhil/PhD application form and consider the research degree fee structure guidelines from the University's [webpage](#). Please e-mail your completed form to Ms. Doreen Henry, Research & Postgraduate Office, London Metropolitan University, 166-220 Holloway Road London, N7 8DB. E-mail: [research@londonmet.ac.uk](mailto:research@londonmet.ac.uk).