

Guideline for Applicants

SCAT project mobility grants

This project is intended for graduate students (MSc or PhD) or post-doctoral fellows registered at, affiliated to, or graduated from one of the network partner institutions.

We only accept applications via our online forms, available at the website:

<http://www.scat.bristol.ac.uk/>

What is the topic of the SCAT project?

The topic of the SCAT project and the associated grants for study and research overseas is **scientific computing**. The research projects to be carried out during the periods of study in a host institution will deal with an application area in science or engineering, where advanced computational research can deliver new and important results.

When can I apply?

You can send your application for the first round of mobility grants until the **15 June 2006**. There will be two other rounds after this, with deadlines 15 November 2006 and 15 November 2007.

Who is eligible?

Any EU national or any national from a Latin American country can apply for a grant, provided he/she has any of the following links with one of the SCAT member institutions listed below:

- is a registered student at one institution;
- is an appointed post-doctoral researcher at the institution;
- is a graduate (MSc, PhD) from the institution..

The following institutions are members of the network:

DFI-UCh	Universidad de Chile (Departamento de Física)
DL-CCLRC*	Daresbury Laboratory, Council for the Central Laboratory of the Research Councils (Computational Science and Engineering Department), U.K.
ESPCI	École Supérieure de Physique et de Chimie Industrielles de la Ville de Paris (Laboratoire Ondes et Acoustique & Physique et Mécanique des Milieux Hétérogènes)
IMPA	Instituto Nacional de Matemática Pura e Aplicada, Brazil
IRPHE	Institut de Recherche sur les Phénomènes Hors Equilibre, Universités d'Aix-Marseille I et II
LMM	Laboratoire de Modélisation en Mécanique, Université de Paris VI (Pierre et Marie Curie)
UNAM	Universidad Nacional Autónoma de México -- Instituto de Investigaciones en Matemáticas Aplicadas y en Sistemas ; Instituto de Geofísica ; Facultad de Estudios Superiores Cuautitlán.
UOB	Department of Mathematics, University of Bristol. U.K. –Coordinating Institution
UPC	Centre Tecnològic de Transferència de Calor, Universitat Politècnica de Catalunya
USM	Departamento de Matemática & Departamento de Informática, Universidad Técnica Federico Santa María, Chile

Where can I go during a mobility grant?

You can apply for a grant to go to any of the mentioned institutions, provided it implies an overseas mobility (a student at any EU institution would go to a LA one, and vice-versa).

How long are the mobilities?

Scholarships are granted for an average 8 month period. This includes the preparation the travel, the necessary time for accommodation, and the research project itself. Some stays may be slightly shorter, some may be slightly longer; it will depend on your research project and the respective supervisors in the institution of origin and the host.

Pre-requisites:

For application, you should comply with the following requirements:

- I. **A Bachelor of Science or equivalent** in an area of mathematics, physics or a branch of engineering;
- II. **A strong mathematical background;**

- III. **Proven English language skills**, e.g. by standard tests such as TOEFL, IELTS, MELAB. Other tests may be accepted on a case by case basis. Language improvement will be offered, when required;
- If you don't have the scores yet but are registered for a test, please provide a copy of the document confirming your registration, with date of examination;
 - If you have not taking a test nor are you registered to take a test, you can justify your command of the English language by proven evidence such as a degree obtained in English, a stay in an English speaking country, publications in English etc, and you may be exempt of taking the test at the application stage. A language test (TOEFL or other) will be required in this case after the selection of the grant-holder, but before the commencement of the mobility grant.
- IV. **Previous experience** in research and/or any publication;
- V. **Computer programming skills**;
- VI. **Two Reference Letters** from people who have agreed to act as referees. A referee form is available on the Website next to this guideline, and must be filled and signed by the applicant. The letters of reference must be sent by the referee directly to the SCAT coordination office in Bristol, as stated in the referee form;
- VII. **Personal Statement** expressing elevated commitment to your professional development and an inclination towards research. The Personal Statement should include at least the following information:
- Detail of the degrees obtained by the applicant and his/her projects and/or further studies to be undertaken (copies would be required at a later stage);
 - Personal motivation of the applicant explaining why he/she chooses this programme;
 - Description of previous research projects, papers, contribution and/or publications;
 - Name of two SCAT members: one acting as your tutor at your institution of origin, and one who will be your supervisor at the host institution.
 - Statement evidencing the knowledge of the English language.

How do I apply?

The process is in 3 steps:

- I. Apply online at http://www.scat.bris.ac.uk/mobility_grants/applications/
 - o All fields marked with a * are mandatory.
 - o In the *Comments* box, we ask you to mention the name of your SCAT tutor and your SCAT supervisor (see VII above).

- o Supporting documents should include:
 - Curriculum Vitae
 - Personal Statement, 1 page max. (as detailed previously under point VII)
 - Abstract of the proposed project, and why you chose the host institution
 - Previous related experience and research training
 - Evidence of knowledge of the English language as stated in III
 - Two referee forms according to statement VI.
- II. Your application will be reviewed by a selection committee, and you will be contacted depending on the progress of your application.
- III. If you are selected, you will be asked to send:
 - o Photocopy of your passport, as proof of nationality.
 - o Certificate of student status and/or certified copy of your diploma, or letter certifying your appointment if you are a researcher at one of the member institutions.
 - o English test scores, when applicable.
 - o Reference letters in original (if not received directly from your referees)

What is included in the grants?

- I. Preparation for mobility: in some cases, the institution of origin may incur expenses prior to the mobility. These may be for concept of language or cultural training, or other required training. The maximum allowable expense in this heading is €600.
- II. Round-trip intercontinental travel, airport transport, and travel insurance, up to a maximum of €1500.
- III. Scholarship payments: grants are inclusive of a fixed monthly stipend of €1500 for living expenses and all other expenses of the grant-holder during their stay at the host-institution.
- IV. Language upgrading at the host institution: in necessary and justified cases, an amount up to €1500 can be given to grant-holders for language improvement.

Responsibilities of grant holders:

Responsibility of home Tutor: the tutor in the institution of origin is responsible for the grant-holder during his/her stay abroad, from the moment of the application until the end of the scholarship.

Availability of the Grant-Holder: by sending the application, the applicant undertakes to accept the grant if his/her application is successful. This entails willingness to travel abroad and availability for the whole length of the scholarship, with a full time dedicated stay at the host institution.

Travels: The successful applicant will be asked to make all necessary arrangement for his/her mobility (i.e. travel arrangements and booking – including cancellation insurance with full refundable airfare-, accommodation, subsistence, etc). He/she will have support from the SCAT members.

Administration requirements: the grant-holder is asked to ensure his/her registration at the host institution, the completion of the language improvement (when required), and to comply with all required steps in the host country (customs, visa and passport, etc). The grant-holder is also asked to buy a full health insurance adapted to the country of the host institution (if applicable). This latter cost would eventually be met by the SCAT mobility scheme.

General provisions: The SCAT mobility scheme will under no circumstances be responsible or liable for any loss, damage, injury, sickness, disease, death, delay, expense, or inconvenience caused to or by the grant-holder or any third party, resulting directly or indirectly from any act, negligence, default or omission of any kind.

Furthermore, the SCAT mobility scheme has the right to put an end to the scholarship at any moment, under justified circumstances or by decision of the majority of the members of the SCAT Scholarship Team.

What you will get at the end?

Certificate of completion: Besides the experience gained within the programme, SCAT will issue a certificate at the end of the mobility grant, with the detail of the project carried out and the results obtained. This document could be used to justify the stay abroad and the research undertaken to the grant-holder's institution of origin.

For further information, contact

Boris Drappier

boris.drappier@bristol.ac.uk

44+(0)117 331 1805

Mathematics, University of Bristol
Bristol BS81TW, United Kingdom