Teaching and Research Fellowship in Maths

Further Particulars

St Catharine’s College in the University of Cambridge seeks to appoint a Teaching and Research Fellow in Mathematics. The post will be tenable from no later than 1 September 2019 for a fixed period of four years. Because of teaching needs, preference will be given to candidates with expertise in the areas of Applied Mathematics and Theoretical Physics; or to candidates who are able to offer teaching in Statistics. The post-holder will be required to teach at least two courses in Part IA and Part IB; in addition the post-holder will be responsible for organising supervision at Part II. Remuneration will be at point 40 on the University of Cambridge’s pay scale (currently £31,302). The successful candidate will be elected to an Official Fellowship of the College. The post will be fully pensionable.

Requirements

The successful candidate:

- will be educated to degree level;
- will have completed or to be very close to completing a PhD degree in a relevant field of Mathematics;
- will have a developing record of research publications;
- will have a commitment and demonstrable track-record in relation to keeping up-to-date with the latest thinking in the relevant field of Mathematics by reading other academic material, attending conferences and engaging with other academics in the field;
- will have experience of or be able to demonstrate a commitment to undergraduate teaching.

Duties

The duties of the post-holder shall be as follows:

To teach eight hours per week (160 hours per year, excluding required preparation and marking) of supervisions (small-group teaching) to undergraduate students of St Catharine’s College or (pursuant to reciprocal teaching arrangements) students of other colleges. Any hours taught in excess of 160 per year will be paid at the standard supervision rate plus a 25% enhancement, and hours supervised for other colleges in the University will count towards the required stint.

To undertake research of international standing within the area of the post-holder’s specialism and to present and publish the results of that research at intervals consistent with the requirements of the national Research Excellence Framework (REF).

To act (as may be required) as a Director of Studies for students in Mathematics in the College, in collaboration with other Fellows of Mathematics. The duties of a Director of Studies are: to make teaching arrangements for all students under his/her direction, including the appointing of supervisors; to ensure all students are entered for the appropriate University examinations; to monitor and ensure the quality of teaching received by the students; to communicate and meet with all students at regular intervals to discuss their studies; to entertain students in Mathematics using
the Director of Studies entertainment allowance; to pass on to students all relevant course information received from the Faculty of Mathematics; to report to the College’s Education Committee on the progress of students; to assist the Graduate Tutors in the admission of postgraduate students; to attend inter-collegiate meetings of the Directors of Studies in Mathematics; to maintain good relations with the Faculty of Mathematics; to keep up to date with changes in Faculty courses and policy.

To coordinate undergraduate admissions in Mathematics. This duties of this role are: to organise, oversee, and conduct undergraduate admissions interviews; to provide feedback to the schools of interviewed candidates; to encourage high-quality candidates to apply to St Catharine’s to read Mathematics; to field admissions enquiries related to Mathematics throughout the academic year; to conduct and attend Open Days; to produce and update admissions information for candidates and schools; to participate in the inter-collegiate admissions pool.

To help organise and support the programme of enrichment events, including mock exams, seminars, and study-related activities.

To undertake College administrative duties as required by the Governing Body (e.g. attending College meetings and sitting on committees).

To join other Mathematics Fellows in participating in such alumni-oriented events as are occasionally organised by the College.

Benefits

Official Fellows of the College are entitled to seven free meals per week and to free single accommodation in College-owned rooms. For a Fellow not living in College accommodation, a room to work and teach in will be provided. Official Fellows may apply to College funds to support their research (including the purchase of books) and for the purchase of computing equipment. The post does not carry an entitlement to sabbatical leave.

The College

Founded in 1473, St Catharine’s College is situated in the historic centre of Cambridge. At any given point in time, the College has approximately 25 undergraduate students in Mathematics across all three parts of the Tripos. The College is committed to academic excellence and success, while maintaining a relaxed and sociable atmosphere.

Applications and selection procedure

Applications should comprise of:

- A covering letter;
- a full curriculum vitae;
- pdfs of candidate’s top 2 publications, or url links to where they can be read.
- three references (to be supplied directly to the College from the candidate’s referees).
Applications should be submitted here:

https://app.casc.cam.ac.uk/fas_live/cathmaths.aspx

The closing date (for the receipt of both applications and references) is Monday 29 April 2019. Further particulars can be found via http://www.caths.cam.ac.uk/vacancies. Information on St Catharine's College can be found on the College website (www.caths.cam.ac.uk). Information on the Faculty of Mathematics can be found on its website (www.maths.cam.ac.uk). Informal enquiries concerning this post may be directed to the Senior Tutor, Dr Miranda Griffin (mhg11@cam.ac.uk).

Shortlisted candidates will be informed of their continued candidature by 11 May, and interviews will be held (on a date to be notified) in the week beginning 20 May. At the interview, shortlisted candidates will be required to give a short presentation on an area of their research.