The School of Mathematics and Statistics at the University of Glasgow seeks to recruit 3 highly talented undergraduate students going into the final year of an integrated masters degree (or at an equivalent stage) in mathematics (or a related joint or combined degree) to work on an 8 week summer project as part of the EPSRC grant ‘von Neumann techniques in C∗-algebras’. The project will take place from Mon 1 July 2019 until Fri 23 Aug 2019 and its primary aim is to give students an opportunity to gain first hand experience of mathematical research.

The project will look at some examples of C∗-algebras constructed from either combinatorial data or dynamical information (some flavour of the general area of research can be found here, http://www.maths.gla.ac.uk/~saw/research.html, which has some wikipedia links to follow). No prior experience of C∗-algebras is required or expected, but students should have an interest in functional analysis, and topics such as group theory, topology, combinatorics, and an excellent track record of examination performances in mathematics courses.

The project team will be led by Prof Stuart White, and will include academic staff members, postdoctoral researchers, and PhD students in the operator algebras research group. In total there will be 6 undergraduate researchers primarily working in small groups, with a regular programme of talks and group activities.

Students will be paid £4409.23, (before deductions for tax, national insurance, and pension contributions, as appropriate). Informal questions about the project can be addressed to Dr Samuel Evington (samuel.evington@glasgow.ac.uk).

We particularly welcome applications from women and other groups under-represented in mathematical research in general, and in operator algebras more specifically.

How to apply. Please send:
• CV;
• Academic transcript of University results to date;
• One or two page statement explaining your interest in this project, and addressing how you meet the essential criteria on the attached formal job description form;
• Contact details for an academic at your current university who will be able to write a reference for you if you are shortlisted for interview.

to stuart.white@glasgow.ac.uk by 13:00 on 15 March 2019 with a subject heading of ‘Summer Project Application’. We anticipate holding a small number of interviews by skype in the week beginning 25 March 2019, with decisions made shortly after that.

Date: February 19, 2019.