PhD in Algebra at the University of Kent.

Potential supervisors include: Professor Andy Hone, Professor Stéphane Launois, Dr Rowena Paget, Dr Constanze Roitzheim, Dr Jim Shank, Professor Jing Ping Wang, Dr Chris Woodcock

Algebra can be seen as the study of structures in Mathematics. For instance, motivated by the study of symmetries, you will have encountered the notion of Group during your UG studies. In the last decades, Algebra has played a pivotal role in other areas of Mathematics (e.g. Geometry, Integrable Systems) and Sciences (e.g. Networks, Theoretical Physics).

We have a vibrant Algebra group here at Kent with interests in both classical problems and interactions with other areas. The research interests of our staff members can be grouped in five main themes:
- Cluster Algebra;
- Invariant Theory;
- Representation Theory and applications;
- Quantum Algebras;
- Interactions with Geometry and Topology (e.g. A-infinity algebras).

You can find more details about our group and its research expertise on our research webpage:
https://research.kent.ac.uk/mathematics/research/algebra-geometry-and-topology/

The group currently supervises 4 PhD students. It has a dedicated weekly seminar and is leading the Anglo-Franco-German Network in Representation Theory and its Applications providing opportunities for research visits/collaborations with our partner networks in France and Germany.

General information on the application process can be found on the following webpage:
https://www.kent.ac.uk/smsas/postgraduate/phd-applications.html

We welcome applications from all interested candidates and if you have any questions, feel free to contact us.