Engineering and Physical Sciences Research Council

University of Exeter

Engineering and Physical Sciences Research Council Doctoral Landscape Award

PROJECT TITLE: Arithmetic of finitely generated fields

Lead Supervisor: Mohamed Saidi

Co-Supervisors: Gihan Marashinga

Webpage: https://mathematics.exeter.ac.uk/people/profile/index.php?username=ms220

Project details: The aim of this project is to explore in depth some of the new aspects of the arithmetic and anabelian geometry of finitely generated fields. One aim of the project is to investigate the structure of the maximal metablelian quotients of the Galois groups of number fields and algebraic function fields and establish an analogue of the classical class field theory for such fields.

Project Specific requirements: The applicant should have a good background in number theory, group theory and Galois theory

Potential PhD programme of study: PhD in Mathematics

Department: Mathematics and Statistics

Location: Streatham campus, Exeter.

Please direct project specific enquiries to: Mohamed Saidi (m.saidi@exeter.ac.uk)

Please ensure you read the entry requirements of programme to which you are applying.

To apply for this project please click here.