PhD Studentship
Dr. Andrew Clark

PhD project: Renewable polyesters and polyurethanes for coating and elastomeric applications

Supervisor: Dr. Andrew Clark

Deadline: 15th July 2016

Project description: New methodologies to prepare renewable polyesters and polyurethanes from renewable terpenes, fatty acids and sugar derived monomers will be attempted. New green chemistry will be developed to take existing renewable feedstock’s (including those potentially coming on stream in the next 5 years) to make novel monomers that can be used in a range of polymer applications. Thermal and mechanical properties will be determined and scale-up to 5 Kg will be carried out to determine potential process issues and the economics of the processes.

Requirements:
Applicants should have an honours degree (at least II.1 or equivalent) in chemistry, or other relevant discipline, and should be a UK citizen or have been a resident in the UK for three or more years.

How to apply:
Please direct informal enquiries and requests for further information to Dr. Andrew Clark, a.j.clark@warwick.ac.uk

Details on the formal application procedure can be found at http://www.go.warwick.ac.uk/pgapply