



CRITICAT

A CDT IN CRITICAL RESOURCE CATALYSIS

12 PhD Studentships in Critical Resource Catalysis

The Centre for Doctoral Training in Critical Resource Catalysis (CRITICAT) is a newly established research hub in Scotland for catalysis training and research. It comprises the combined chemistry and chemical engineering Schools of St Andrews, Edinburgh, and Heriot-Watt Universities and encompasses training and research in all aspects of catalysis, including homo-, hetero-, and bio-catalysis, reaction engineering, and life-cycle analysis.

This alternative and unique approach to catalysis research and training will:

- Provide initial 6 months of training in all aspects of catalytic chemistry and engineering, including skills training and mini-research projects
- Allow you to build and direct your own research through a 6 month maxi-project experience
- Foster interactions with world-leading academic and industrial researchers through collaborations, CDT conferences, and placements
- Provide you with a unique set of transferable skills to enhance your future career

How to apply:

We are seeking applications from students who have interests across the breadth of the catalysis research area, in particular those with a chemistry, biological, or engineering background. We encourage all prospective applicants to contact potential supervisors prior to their application in order to discuss potential research projects and the CRITICAT CDT.

Applications should be e-mailed directly to Prof. Andrew Smith (ads10@st-andrews.ac.uk) by **Friday 30th May 2014** and should include:

1. A covering letter that explains your motivation to undertake a CRITICAT PhD and your interest and experience of your intended research area (1000 words maximum)
2. A CV (which should include a transcript of your degree results to date) with the contact details of at least two referees.

UK and EU students will be eligible for full fee studentships, subject to normal EPSRC rules. UK students will also be eligible to receive a stipend (currently £13726 p.a.) throughout their 4-year course. Applications are welcomed from UK/EU students with, or expecting to gain, a first or upper second class honours MSci/MChem/BSc degree (or equivalent). For non-UK/EU candidates a limited number of Overseas Fees Scholarships may be available for outstanding candidates.

Process: We will shortlist candidates soon after the closing date and invite them for a combined interview and CDT Supervisor Open Day between 9th-13th June. During the Open Day candidates will have the opportunity to meet with potential PhD supervisors as well as undertaking formal interviews. After the interview process students will indicate their preferred Supervisor(s) and research project(s) and the Management Committee will match the highest calibre students with Supervisors and PhD projects.

To find out more contact:
The CDT Director
Prof. Andrew Smith
ads10@st-andrews.ac.uk
and visit
<http://www.criticat.org/>

