



Energy Technology Partnership (ETP)

Energy Industry Doctorate Programme 2019 Call

Deadline: 12 noon, Friday 30 August 2019

Project Selection Process

Notes for Guidance

June 2019

Energy Technology Partnership

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1. Introduction

The Energy Technology Partnership's established Energy Industry Doctorate Programme is now open for a further call, in support of the Scottish Government's Energy Strategy.

This programme is addressing the strategic demands of industry and government for 'industry-ready', post-doctoral researchers to enhance energy industry innovation and knowledge exchange effectiveness. A defining characteristic of the programme is strong industry engagement where companies are co-investors, support project specification and engage with the research directly.

Over 100 high quality PhD studentships have been awarded, on a competitive basis, since 2010. See the ETP website <http://www.etp-scotland.ac.uk/> for a list of funded projects.

This document provides guidance to academics who wish to submit proposals for the next review, scheduled for Tuesday 10th September 2019.

An overview of the process is shown below, together with timescales:



2. Call for Proposals

Project proposals are sought from ETP member universities, for projects that support the themes of the Scottish Government's Energy Strategy. These can include technological, numerical, environmental, legislative, economic, and policy aspects.

Each proposal must comply with the following 4 basic conditions:

1. The funding is offered on the basis of a 1/3 1/3 1/3 model: All proposals must be submitted after consultation with at least one industrial or similar organisation run along business lines. Industrial sponsorship for each proposal must be at least equal to the amount of funding sought from ETP. Provide the company, contact name and details on the proposal form and also a **letter of support** from the company confirming its level of financial support, and its level of involvement with the project and the student.

2. Building on the partnership model of the ETP, proposals must have both a main academic supervisor (where the student is based) and a secondary co-supervisor in a different ETP partner university. A **letter of support** is required with the proposal from the co-supervisor in the co-university confirming their level of engagement with the project, and evidence will be sought during the course of the project that the co-supervisor is indeed engaging with the project and the student.
3. ETP will monitor the project to make sure it complies with governance standards. The host university will be expected to supply evidence of student registration, student reports, theses, graduation etc and a monitoring form during the course of the project. These requirements will be detailed in any offer letter, and in the programme contract.
4. The studentship must start by 28th February 2020. This is to allow ETP to comply with the Scottish Government's internal budget deadlines.

3. Scope of PhD Projects

The PhD proposals should relate to one of the six strategic aims of the Scottish Energy Strategy - The Future of Energy in Scotland:

1. Consumer Engagement and Protection
2. Champion Scotland's Renewable Energy and Low Carbon Potential
3. Improve the Energy Efficiency of Scotland's Homes, Buildings, Industrial Processes and Manufacturing
4. Support Oil and Gas Industry Strengths
5. Maintain Secure, Resilient and Flexible Energy Supplies
6. Empower Communities by Supporting Innovative Local Energy Systems and Networks

In addition, the following areas are of particular interest in 2019/20:

1. Off gas grid low carbon heat solutions
2. Industrial energy efficiency
3. Decentralised energy that offer a systems solution to transport, heat and electricity needs for the benefit of consumers
4. Innovative energy and low carbon technologies

These can include technological, numerical, environmental, legislative, economic, and policy aspects.

4. Review Process

Projects will be assessed according to the following 4 criteria:

5. Supports the themes of the Scottish Government's Energy Strategy - **5 marks**.
6. Demand driven by energy industry - **10 marks**.
7. Academic quality – **10 marks**.
8. Promotes ETP mission & objectives – **5 marks**.

It will be a condition of award that the project supervisor can demonstrate that the proposed student has an undergraduate 1st/2.1 in an appropriate subject. Provide a copy of the student's CV if already identified. You should also provide evidence that the balance of funding from industry and host institution is available.

The project proposal must be submitted by the lead academic on the project and e-mailed to Stephen-Mark Williams by 12 noon, Friday 30th August 2019.

The review panel will comprise members of the ETP Board and the academic community:

- Jim McDonald - Chair
- Paul Mitchell – Deputy Chair
- Stephen-Mark Williams – Executive Director
- John Irvine – University of St Andrews
- Gareth Harrison – University of Edinburgh
- Feargal Brennan – University of Strathclyde
- Fiona Riddoch – University of Edinburgh

The Panel will be joined by a representative from the Scottish Government.

5. Conditions of Payment

Typically, assuming the conditions in this document are met, ETP will transfer the entire award in one lump sum before the start of the project. In any case, the project must start before the 28th February 2020 to allow the conditions of funding to be met.



6. Intellectual Property

In order to enable Strathclyde and the Energy Technology Partnership to fulfil its obligations to the Scottish Government in respect of the Programme, the host university will be contractually obliged to grant to Strathclyde a non-exclusive, perpetual, irrevocable and royalty free licence (which includes the right to sub-licence on the same terms to the Scottish Government and for the Scottish Government to similarly sub-licence onto other parties on the same terms) to make use of, including the right to adapt and amend, any and all intellectual property created or otherwise generated using the studentship support.

7. More Information

Please contact ETP Executive Director Stephen-Mark Williams (stephenmark.williams@strath.ac.uk or tel. 0141 548 2013) if you require any additional clarification or information on this process.

Appendix: ETP Studentship Project Proposal Form

Return this completed form by e-mail to Stephen Mark Williams, ETP Executive Director - stephenmark.williams@strath.ac.uk by **12 noon 30th August 2019**.

The whole form, including this page, should be no longer than 7 pages.

Project Title		
Proposer/Supervisor	Lead University	
	Name	
	Position	
	Address	
	Email	
	Tel No	
Co-Supervisor	Co-University	
	Name	
	Position	
	Address	
	Email	
	Tel No	
Industrial sponsor	Organisation	
	Contact name	
	Position	
	Address	
	Email	
	Tel No	
Funding sources	Total project cost	£k (over 3.5 years)
	Industry funding	£k
	University funding	£k
	ETP funding	£k (max £30k per project)
Student	Do you have a potential student already identified: Y / N	
	Name	
	Email	
Dates	Date of this form	
	Project start date	
	Project end date	

Project Abstract

Describe your project proposal in not more than 100 words. This abstract may be used in promotional material. It will not be assessed.

1. Project Description

Include a high level description of the scope and rationale for the project; the objectives of the work; project plans, milestones, timescales and costs. Show detail on work packages if possible. This section will not be assessed, but will help to provide context to your proposal.

2. Supports the themes of the Scottish Government's Energy Strategy - 5 marks

The PhD proposals should relate to one of the six strategic aims of the Scottish Energy Strategy - The Future of Energy in Scotland:

- 1. Consumer Engagement and Protection*
- 2. Champion Scotland's Renewable Energy and Low Carbon Potential*
- 3. Improve the Energy Efficiency of Scotland's Homes, Buildings, Industrial Processes and Manufacturing*
- 4. Support Oil and Gas Industry Strengths*
- 5. Maintain Secure, Resilient and Flexible Energy Supplies*
- 6. Empower Communities by Supporting Innovative Local Energy Systems and Networks*

In addition, the following areas are of particular interest in 2019/20:

- 1. Off gas grid low carbon heat solutions*
- 2. Industrial energy efficiency*
- 3. Decentralised energy that offer a systems solution to transport, heat and electricity needs for the benefit of consumers*
- 4. Innovative energy and low carbon technologies*

3. Demand driven by energy industry - 10 marks

Clear evidence that the project is demand driven by the energy industry (including a commitment of industry part-funding), has significant potential for knowledge exchange and economic impact. Describe the benefits to the sponsoring company.

4. Academic quality - 10 marks

Academic quality of the research proposal; clarity of objectives and the degree to which these are achievable; quality of the academic environment in which the research would be conducted; potential for academic impact; benefits for student.

5. Alignment with ETP's Mission & Objectives- 5 marks

Evidence that the project will promote ETP's mission and objectives, including academic excellence, cross-ETP collaboration (i.e. opportunities for joint working across ETP); economic impact; and skills development.

6. Funding

Evidence that the balance of funding from industry and host institution is available. Show the anticipated sources of funding for the project, a mix of industry, university and ETP. Proposers should assume a 3.5 year studentship and a maximum contribution of £30k per project from the ETP grant.

Costs

Stipend	£
Fees	£
Travel & subsistence	£
Lab consumables	£
Other	
Total	

Year	Stipend (£)	Fees (£)
2019/2020		
2020/2021		
2021/2022		
2022/2023		
2023/2024		
Total		

Funding

Source	Value (£)
Total	

Additional Notes

Also provide:

- Letter of support from the sponsoring company confirming its funding to the project.
- Letter of support from the Co-Supervisor at the Co-University
- CV of the proposed student, if already identified.