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ETP Energy Industry Doctorate Programme 2020

Stephen-Mark Williams, ETP Executive Director
12 noon Wednesday 30 September
Provide Scotland’s universities with a competitive advantage through dynamic collaborations, and encourage their researchers to pool their resources to respond to increasing international competition.
ETP is... an alliance of 13 Scottish HEIs engaged in world-class energy-related R&I with world-class facilities
To translate **excellent research & innovation** in the energy sector into **economic & social impact** for Scotland through **collaboration**
ETP Energy Themes

- **Wind**
  - Strathclyde

- **Marine**
  - Edinburgh

- **Grid**
  - Strathclyde

- **Solar PV**
  - Edinburgh

- **O&G**
  - Aberdeen

- **CCS**
  - Edinburgh

- **Bio**
  - Glasgow

- **EUB**
  - H-W

- **ECS**
  - Glasgow

- **Heat**
  - Glasgow

- **EPPS**
  - Strathclyde

**Abbreviations:**
- CCS = Carbon Capture & Storage
- EUB = Energy Utilisation in Buildings
- ECS = Energy Conversion & Storage
- EPPS = Energy, Policy, People, & Society
ETP Energy Industry Doctorate Programme

Funded by SFC & the Scottish Government

120 studentships supported over 7 years
6 studentships to be funded this year

KEN (Knowledge Exchange Network)

Team of 7 BDMs covering low-carbon sector
Foster and manage collaboration between industry and academia
180 KE projects funded over the last 9 years
addresses the strategic demands of industry and government for industry ready post-doctoral researchers to enhance energy industry innovation and knowledge exchange effectiveness
Funded by the Scottish Government and ETP Partner HEIs.

Funds PhD projects of 3-3½ years.

120 Energy Industry Doctorates across all themes have been funded so far

Over £3.4M leveraged in from industry partners: companies are co-investors, support project specification and engage directly with the research

Full list of projects on ETP website
Along same lines as previous 3 calls
6 grants of up to £30k to be awarded
Competitive
Open to all researchers across ETP partner HEIs
Co-supervisor in a partner ETP HEI
Requires industrial sponsorship
Application to be submitted by host supervisor.

Must be accompanied by:
- Letter of support from co-supervisor
- Letter of support from industrial sponsor
- Student CV if already identified
Studentships funded on 1/3:1/3:1/3 model

ETP grants are up to £30k.

Balance of PhD cost to be split between university and industrial partner.

Example - for a £75k PhD:
- University £25k
- Industry sponsor £25k
- ETP £25k

Grants are paid at the start of the project on presentation of an invoice from the host university.

Invoice must be received by 28 February 2021.
PhD must be co-supervised by an academic from a partner ETP university

- Co-supervisor must provide a letter of support to accompany the application

- Industrial sponsor must also provide a supervisor and a letter of support.
Students can be any nationality

Should have a 1\textsuperscript{st} or a 2.1 first degree

Should be registered with host university by 31\textsuperscript{st} March 2021
Project requires an industrial sponsor to collaborate in the PhD

Industrial partner can be any size, any location

Must provide 1/3 (~£30k) of the cost of the PhD

Must provide a co-supervisor to the student

Must provide a letter of support to accompany the application form
Current Call – Areas of Particular Interest

- Off gas grid low carbon heat solutions
- Encouraging consumers to engage in the energy transition
- Zero carbon building retrofit
- Negative emissions technologies
- Enabling heavy vehicle users to move towards low carbon technology
- Enabling the Hydrogen economy
- Enabling a green socio-economic recovery

These can include technological, numerical, environmental, legislative, economic, and policy aspects.
Projects will be assessed according to the following 4 criteria:

2. Demand driven by energy industry - 10 marks.
3. Academic quality – 10 marks.
4. Promotes ETP mission & objectives – 5 marks.

The assessment panel will include a representative from the Scottish Government.
ETP does not take any IP.

Existing Intellectual Property Rights shall remain the property of the host university.

All Project Intellectual Property Rights shall be the property of and vest in the host university.
Under the agreement between Strathclyde and SG in respect of the Programme, the Scottish Ministers have a non-exclusive, perpetual, irrevocable and royalty free licence (which includes the right to sub-licence 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 Project Support (the “SG Licence”). Therefore, for the sole purpose of enabling Strathclyde to fulfil its obligations to SG in respect of the Programme, [xxx] hereby grants to Strathclyde a non-exclusive, perpetual, irrevocable and royalty free licence to enter into the SG Licence.
ETP Executive Director will attend project start-up meeting.

ETP Executive Director must be kept informed of project progress including, as a minimum, notification of when project starts, contact details for student once appointed, and any material changes to project (e.g. change of supervisor).

Host HIE will submit copies of all student’s formal periodic (eg annual) reviews, and a notification of their graduation, to the ETP Executive Director.

Student will attend the ETP Annual Conference and any other events, such as seasonal schools, which ETP deems to be part of the studentship.

After around 6 months student will participate in a group 1/2 day showcase together with other ETP Students from this intake with the participation of Scottish Government.
Programme fosters collaboration between academia and industry to increase the socio-economic impact of the research

Addresses the strategic demands of industry and government for ‘industry-ready’, post-doctoral researchers to enable the green recovery

Straightforward application process

Quick turnaround

Light touch central coordination
Q&A

Ask questions via the Chat function.