

CALLING ALL SCIENCE AND ENGINEERING GRADUATES

DO YOU HAVE A BACKGROUND IN
PHYSICS, MATERIALS,
ELECTRICAL/BIOMEDICAL/CHEMICAL
ENGINEERING?

ARE YOU INTERESTED IN AN ENHANCED
PHD OR ENGD STUDENTSHIP?

**WE ARE RECRUITING!
ENTRY SEPT 2021**

APPLY AT WWW.CDT-PIADS.AC.UK



Learn More and Apply

Overview

THE CENTRE

The PIADS Centre for Doctoral Training (CDT) is a partnership between Queens University Belfast (QUB), the University of Glasgow (UoG) and the Irish Photonic Integration Centre (IPIC). We provide opportunities for applicants to research novel scientific and engineering developments in highly manufacturable photonic integration technologies with far-reaching applications related to the storage of digital information, telecommunications, biophotonics, healthcare and beyond.



THE PROGRAMME

- Our PhD and EngD programmes lead to unique jointly awarded research degrees from both QUB and UoG.
- 4-year studentships cover tuition fees and an annual maintenance stipend of £15,285 p.a. (+£5k tax free p.a for EngD students).
- In year one, students spend time at both universities, completing a range of scientific and technical courses whilst engaging in exploratory research projects, before choosing and embarking on their research project.
- Students manage their own (up to £27,000) research and training budget for costs such as start-up equipment, facility access, research consumables, travel and conference participation. to research novel scientific and engineering developments in highly manufacturable photonic integration technologies with far-reaching applications related to the storage of digital information, telecommunications, biophotonics, healthcare and beyond.



APPLY TODAY WWW.CDT-PIADS.AC.UK

RESEARCH

CDT students undertake a diverse and exciting range of topical doctoral research projects which span physics, materials and electrical and optical engineering. They benefit from access to state of the art experimental and computational facilities at the James Watt Nanofabrication Centre and the Kelvin Nano Characterisation Centre at UoG, alongside the ANSIN advanced material research and development hub at QUB as well as in-house laboratories and semiconductor fabrication facilities at Tyndall National Institute.

ENHANCED BENEFITS

Tax free annual stipend

Apple™ laptop and peripherals for duration of study

Direct industrial exposure

Competitive opportunities for industrial studentships

Undertake training in business and management skills, receiving the highly regarded CMI Level 5 Certificate in Leadership and Management

ELIGIBILITY

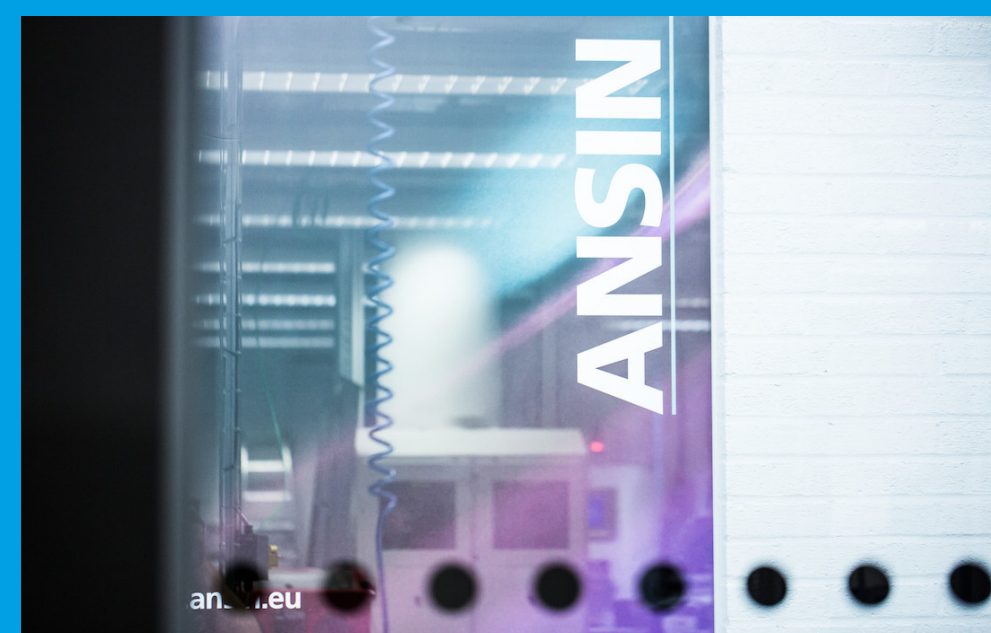
≥2:1 (BSc/Masters) in Physics, Chemistry, Materials, Electrical/Biomedical/Chemical Engineering

2-3 international studentships available*

First interviews scheduled December 2nd and 3rd 2020

* Please see website for further info

WORLD LEADING FACILITIES.



APPLY TODAY WWW.CDT-PIADS.AC.UK

WORKING WITH INDUSTRY

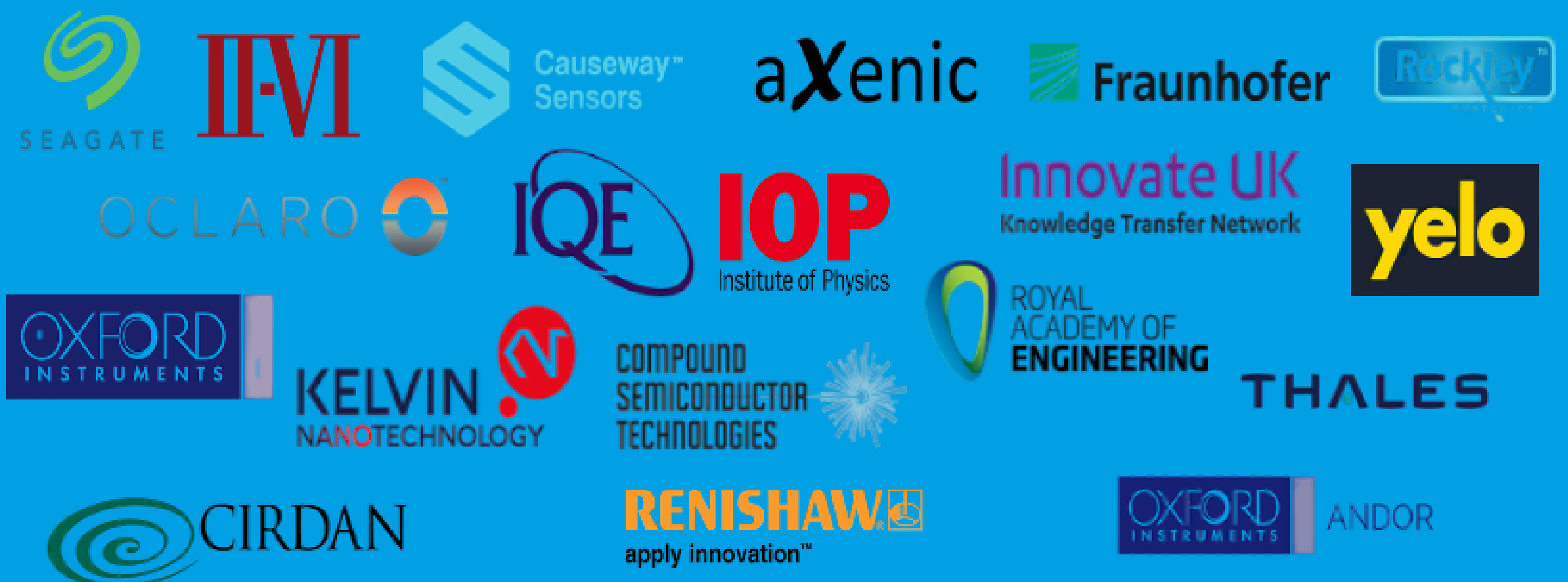
Designed and delivered in close consultation with our impressive range of industrial partners, the PIADS doctoral programme provides exciting sponsored PhD and EngD opportunities with Seagate Technology, Compound Semiconductor Technologies Global and others.

- PhD students complete their studies in the university setting whilst EngD candidates complete their research onsite with the industrial partner – both benefit from academic and industrial supervision and mentorship.
- Every PIADS student benefits from ongoing opportunities to engage with our industrial partners through conferences, seminars, site visits, internships.
- Exclusive access to the tailored “Teamwork and Collaboration Skills in a Cross-Geographical Environment” programme delivered by Seagate Technology - part of their Global Leadership programme.

THE FUTURE IS BRIGHT WITH PHOTONICS

“Photonics is a major growth area both in the UK and worldwide. Integrated photonics is a key driver and its application to data storage is set to underpin significant technology development. This CDT is therefore excellently positioned to drive forward vital R&D and ensure the provision of the necessary industrial skills.”

- Mat Wasley, Knowledge Transfer Manager for Photonics, Knowledge Transfer Network (KTN).



APPLY TODAY WWW.CDT-PIADS.AC.UK