



Trinity College Dublin

Coláiste na Tríonóide, Baile Átha Cliath

The University of Dublin

School of Engineering Industry PhD

Bridging academia and industry through doctoral research

Associate Professor Breiffni Fitzgerald
Director Postgraduate Teaching and Learning (DPTL)
School of Engineering

Trinity School of Engineering – Industry PhD



- Industry PhD Scheme promotes deep collaboration between academic research and industrial innovation.
- Designed to co-create impactful research while developing highly skilled PhD graduates.
- Project grounded in real-world industry challenges with academic rigour.
- Programme Structure: Full-time (4 years) or Part-time (6 years).



Mutual Value for Industry and Academia

For industry:

- Access to cutting-edge research and academic expertise.
- Shape research direction to align with business needs.
- Early access to emerging talent.
- Potential IP generation and licensing.

For TCD:

- Real-world context for fundamental research.
- Strengthened ties to innovation-driven sectors.
- Enhanced student employability and applied skills.

Collaboration model:

- Joint supervision, shared thesis committee, tailored workload.



Industry PhD structure

Supervision & Governance:

- Doctoral agreement outlines expectations.
- Thesis committee: Academic supervisors, Industry mentor, Two independent experts.

Requirements:

- Detailed proposal showing novelty and PhD-level depth.
- Structured training plan aligned with Trinity's ECTS framework.

IP Management:

- Shared or fully licensed IP using TR&I template.
- Clear upfront agreements to protect all parties

Career & Development:

- Dual mentorship with industry and academic advisors.
- Strong professional and academic development pathways.



Applications now Open for September 2025 Intake!

- **All applicants can now apply directly using our online system: www.tcd.ie/courses**
- PhD researcher entry requirements
 - See admissions Requirements for PG applicants www.tcd.ie/study/apply/admission-requirements/postgraduate/
 - Subject related third level qualification - 2.1 honours degree from an Irish university or equivalent
- Company eligibility requirements
 - Companies: Must have active, ongoing R&D capability. Eligibility assessed by DPTL and Director of Industrial Engagement.
 - PhD fees
 - Bench fees (~€10,000/year) support research activities; negotiable.

