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# Overview

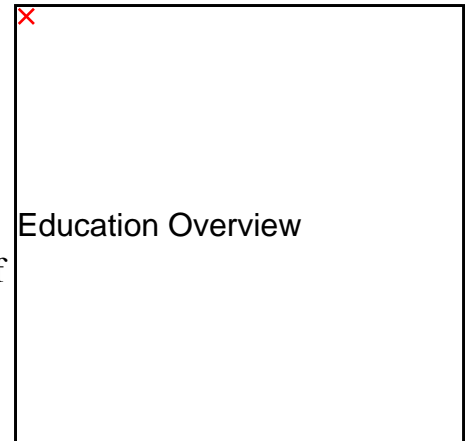
**Postgraduate Research in Ireland's largest dedicated ICT Research Centre**



**Tyndall has a long history in postgraduate education, we've been hosting postgraduate students since 1981 and have over 500 alumni. Tyndall Graduate Studies provides students the opportunity to work on leading edge research. There is a strong project team ethos with each student being supervised by a multi-disciplinary team of experts with access to a**

**state-of-the-art R&D infrastructure. Tyndall has always fostered a close affiliation to industry with many mechanisms for engaging industry participation including European Union and Science Foundation Ireland research funding, as well as the Irish Research Council's Enterprise Postgraduate Scholarship scheme.**

At the end of December 2017, there were 104 PhD and 18 Master candidates pursuing their degrees at Tyndall for a total graduate student population of 122. The Tyndall led PhD Engineering Science programme - a novel structured PhD programme, introduced by the Tyndall Graduate Studies Committee in 2011 - provides students with access to taught modules designed to complement their research and equip graduates with a wide range of skills. The modules include topics on discipline specific, transferable skills and innovation, commercialisation and entrepreneurship. At the end of 2017, 30 students had registered on the programme.



Tyndall students receive many national and international awards and these are detailed in our Annual Reports. The range of awards won demonstrates how our students continue to excel technically as well as excelling at being able to communicate their research to a wide audience. It is also testament to the dedication and academic expertise of Tyndall researchers who supervise a large and diverse cohort of students.

We host **PhD** and **masters** students undertaking a **postgraduate degree** in our research focus area of photonics, microsystems, micro-nanoelectronics and theory, modelling and design.

## Why choose Tyndall for Postgraduate Study?

### Facilities

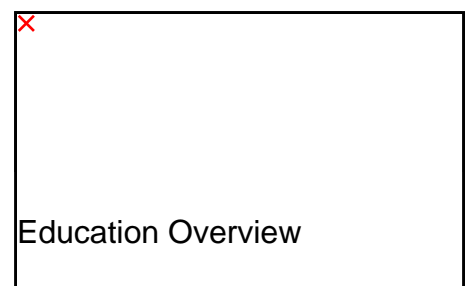
Tyndall has a critical mass of over 350 researchers. Our students work alongside established internationally renowned senior researchers.

Students have access to the **extensive research infrastructure** in Tyndall. This includes several fabrication facilities (CMOS, compound semiconductor and Microsystems) and a **leading range of characterisation, analytical and test laboratories**.

### Global Collaborations

Tyndall collaborates with a large number of **global industries and academic institutes**. Students have the opportunity to work on exciting projects in direct liaison with industry.

The industry advantage includes mentoring and scholarship programmes as well as placement schemes.



## Postgraduate Degree Programme

Students are supervised by thesis committee and progress is closely monitored throughout the degree programme.

Students are offered training and taught modules in a wide range of technical subjects. Transferable skills courses, covering topics such as presentation and communication skills, technical writing, commercialisation and entrepreneurship are also provided.

A structured PhD programme, **PhD Engineering Science**, was introduced in October 2011. In addition to research leading to a thesis, a structured PhD provides technical and scientific training related to a candidate's research topic but also aims to provide a richer background by providing transferable (e.g. project management and commercialisation) and generic (e.g. presentation and technical writing) skills.

### Contact

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