



**ICGEE**

International Centre for Graduate Education  
in Micro- & Nano- Engineering

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**Call for applications to ICGEE  
PhD Position**

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# International Centre for Graduate Education in Micro- and Nano-Engineering

## About the Centre

The international centre for graduate education in engineering (ICGEE) is inter-university, interdisciplinary and international. The ICGEE brings together eight Irish third level higher education institutions and five international partners. The eight Irish institutions are:

- University College Dublin (UCD)
- University College Cork (UCC)
- University of Limerick (UL)
- National University of Ireland (NUI Galway)
- Dublin Institute of Technology (DIT)
- Athlone Institute of Technology (AIT)
- Cork Institute of Technology (CIT)
- Trinity College Dublin (TCD)

Our mission is to create a new cadre of doctoral engineering graduate, able to not only participate but play a future leadership role in a diverse, globally engaged 21st century society. In the future, an international peer network will be a key differentiator for future engineering leaders: The ICGEE centre has as a key goal that the majority of our engineering students will graduate with an international research experience and a global engineering perspective. A key feature will therefore be ICGEE student participation in international summer schools, workshops, industry internships and research collaborations within and external to the international ICGEE consortium member networks.

## About the Programme

The ICGEE Doctoral programme has three distinct features based around the core components of a 21<sup>st</sup> century international PhD; namely;

- Specialist academic knowledge from global leaders
- Transferrable professional skills
- World-class research experience

The ICGEE will offer a wide spectrum of specialist academic courses (Design, Fabrication & Characterization of Electronic, Photonic and Electro-mechanical Micro- and Nano-Systems) and workshops from leading experts in Ireland, Europe, the US and Asia.

In addition, reflecting the fact that in the future, the majority of engineering graduates may move into non-academic career paths in different innovation eco-systems, the programme will also introduce transferable professional skills courses on Technology Management, Entrepreneurship and Innovation for our doctoral students.



## Profile of PhD Candidates

Potential candidates should have a honours primary degree or a Masters level education. For students whose first language/mother tongue is not English, an IELTS score of minimum 6.0 is required. Your application dossier must arrive at the Centre no later than August 13<sup>th</sup>, 2010. Institutional affiliation is compulsory for admission to the ICGEE programme, meaning, your application must be linked to one of the Irish academic institutions within the ICGEE consortium. The PhD research must fit within the general ICGEE research areas of Micro- and Nano-Engineering

## Application

You **must** apply for the studentship from the ICGEE website at [www.icgee.ie](http://www.icgee.ie). Any application dossier submitted outside the ICEEE portal will **not** be reviewed. Your application must be linked to one of the Irish academic institutions within the ICGEE consortium. Should your ICGEE application be successful, the chosen Irish academic institution will become your host institution throughout your doctorate programme. The PhD research must fit within the ICGEE key research areas: Micro- & Nano-Engineering Design and Materials & Manufacturing. Potential students should have the equivalent of a honours primary degree or a Masters level education. For students whose first language/mother tongue is not English, an IELTS score of minimum 6.0 is required.

Your application package **must** be scanned and emailed to [info@icgee.ie](mailto:info@icgee.ie) and **must** contain the following documentation:

1. A signed ICGEE cover sheet (download the cover sheet at [www.icgee.ie](http://www.icgee.ie));
2. A detailed CV;
3. Transcripts of Undergraduate Grades;
4. Names and addresses of 2 referees for letters of recommendation; and;
5. A Personal Statement containing the following (maximum 1 page);
  - A clear description of yourself;
  - Your scientific interests;
  - Why you want to join the ICGEE programme; and;
  - How your proposed topic is relevant to the vision of the ICGEE programme.

***(Applications that do not include all the above information will not be considered)***

## Selection and Admission

On the basis of this documentation, the ICGEE Admissions Committee will identify a short-list of candidates. Interviews can be part of the selection procedure. Please also refer to the submission/application process diagram below.

## Scholarship

An ICGEE scholarship for 4 years will be offered to all successful applicants to include a stipend of €16,000 per annum; additional funding to cover research related travel and fees is available.

## Contact Information:

To register with your preferred member institution, please contact the appropriate member



institution representative by visiting: <http://www.icgee.ie/members/index.php>

## Deadline

Only applications received before 13th August 2010 will be considered.

## More Information

Detailed information on the ICGEE programme can be found on [www.icgee.ie](http://www.icgee.ie). For more specific information please contact the ICGEE Administration Centre

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## Submission/Application Process

