

# Professional Doctorate in Engineering

A Level 10 Apprenticeship at University of  
Limerick

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**GENERATION  
APPRENTICESHIP**  
[www.apprenticeship.ie](http://www.apprenticeship.ie)



# What is an Apprenticeship?

Apprenticeship is a programme of structured education and training which formally combines and alternates learning in the workplace with learning in an education or training centre.

1. Occupation focused – employment v employability (Principal Engineer)
2. Obligations on employer and employment for duration of apprenticeship (4 years)
3. Commitment to developing skills and knowledge for individual and enterprise
4. Industry driven collaboration focus on social and economic skills needs.

# Professional Doctorate in Engineering



**Apprenticeship**

Principal Engineer (DEng)

**NFQ level**

Level 10 Major Award

**Qualification on completion**

Professional Doctorate in Engineering (DEng)

**Duration**

4 years

**Industry Lead**

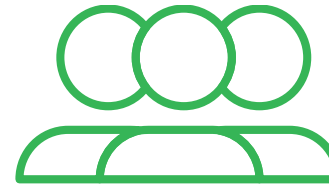
Lero, the Irish Software Research Centre  
CONFIRM Smart Manufacturing

**Education Provider**

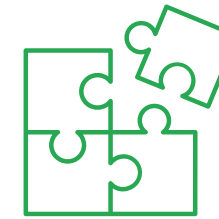
University of Limerick

**Delivery**

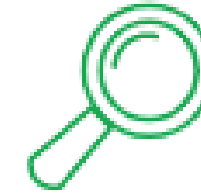
On Campus tutorials  
Distance learning  
Peer to peer learning community of practice  
On the job application through projects



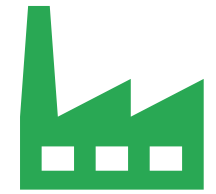
Cohort pedagogy and blend of taught and research work



Contribution to the body of knowledge



Research solutions, create knowledge and practical guidance



Based on the issues and problem of the enterprise

# Impact of Apprenticeship Mode



UNIVERSITY OF  
**LIMERICK**  
OLLSCOIL LUIMNIGH



Academic  
supervision and  
direction



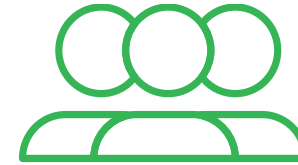
International  
advisory board  
annual review of  
apprentice work

**#1**

Increases the  
reputation of  
the enterprise  
in the sector



Two way  
relationship  
between  
industry and  
academic



Industry input and  
direction with  
participants and to  
programme steering



Develops  
employee  
and  
promotes  
retention

# Key Takeaways

1. Doctoral Education is broad and contributions to professional knowledge are at least as valuable as those to academic/theoretical knowledge.
2. There is an increasing demand for continuing professional development up to and including Level 10.
3. Professional doctoral education is a rewarding and rich form of academic-industry collaboration.

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# Thank You



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