Host Institution:	University College Dublin (UCD)
Location:	Belfield, Dublin 4, Ireland
Website:	http://www.ucd.ie/
College/Company:	Engineering & Architecture
School/Unit:	Mechanical & Materials Engineering
Project Lead	Dr Eoin O'Cearbhaill
Email contact:	eoin.ocearbhaill@ucd.ie
Website:	http://www.ucd.ie/mecheng/

Project Title:
Medical Device Design.

Brief Project Description:
Additive Manufacturing of Medical Devices. We are developing novel additive manufacturing processes to create implantable medical devices, including polymeric stents. This project will involve prototyping and testing the mechanical and functional performance of these devices in bench top models.

Project Dates:
From the end of May to August (specific dates can be agreed between the PI and the student directly over a 10-week period).

Candidate requirements:
The Project would suit students from a biomedical / mechanical / chemical engineering background.

Host Institution:	University College Dublin (UCD)
Location:	Belfield, Dublin 4, Ireland
Website:	http://www.ucd.ie/
College/Company:	Engineering & Architecture
School/Unit:	Biosystems and Food Engineering
Project Lead	Prof Shane Ward and Dr Tom Curran
Email contact:	shane.ward@ucd.ie; tom.curran@ucd.ie
Website:	http://www.ucd.ie/biosystems/

Project Title:
Agri-food waste management.

Brief Project Description:
AgroCycle is a prestigious international "Horizon 2020" research and innovation project addressing the recycling and valorisation of waste from the agri-food sector. Led by the School of Biosystems and Food Engineering at University College Dublin, the consortium of 26 partners comprises partners from 8 EU countries, two partners from mainland China, and one from Hong Kong. The project takes a holistic approach to understanding and addressing how to make best use of the full range of waste streams associated with the agri-food industry. It will deliver the AgroCycle Protocol, a blueprint for achieving sustainable agri-food waste valorisation.

Further details are available at www.agrocycle.eu. The Summer Research aspect of the project at UCD in collaboration with Maynooth University is seeking assistance to develop digital outputs aligned to the dissemination goals of engaging with specific audiences including the general public and primary school children ("Agrocycle Kids"). We wish to recruit **two** Notre Dame undergraduate engineering students for a 10-week period in Summer 2018 to review the AgroCycle project with the aim of creating digital outputs (i.e. video/animation/graphics) that they think best represents the project, thus having the potential to make an international impact with a wide audience.

Project Dates:
From the end of May to August (specific dates can be agreed between the PI and the student directly over a 10-week period).

Candidate requirements:
Ideal candidates for the two positions should have a strong academic record, excellent communication skills and a flair for digital technology (e.g. video/animation/graphics).