

Snapshot of Industrial Research in Engineering and Materials Science Centre, UCD



2nd November, 09:00-13:00

On 2nd November, the School of Mechanical Engineering in UCD are having a series of talks about their research and applications in industry.

The free event is open to all, we especially welcome industry representatives who want to hear about new research and innovations from the school and also to network with the researchers over lunch

Prof. Michael Gilchrist

Head of School of Mechanical and Materials Engineering

Prof Gilchrist will discuss his collaborative research on novel micro moulding. The technology puts nano and micro features onto polymers with applications in industry from MEMS, medical devices to sensors technology.

Dr Eamonn Ahearne

Centre Manager, Advanced Manufacturing Science, AMS.

AMS Centre conducts research into the fundamental mechanisms of machining processes. Our goal is the optimisation of processes, machine tools and production systems to improve levels of precision and produce surfaces of extreme finish and integrity with due regard to cost, energy and environmental constraints.

Dr Denis Dowling

Surface Engineering Group Director.

Dr Dowling presentation will include research on anti-microbial / anti-oxidant plant extract coatings. As well as the use of atmospheric plasma treatments for tailoring surfaces used in applications ranging from medical devices to solar energy.



Research activity within the School

The school covers a range of topics and is recognized as being nationally and internationally leading in many areas. The school has four key research themes, these are Energy, Materials, Design & Manufacturing, and Bioengineering.

Dr. Kenneth Stanton

Lecturer in Advanced Materials

Dr Stanton talk will focus on the theme of his nano and nanobio research with a focus on ceramic and glass-ceramic biomaterials, which is used for improved biocompatibility in implants., such as in hip implants

Dr Donal Finn

Senior Lecturer

Dr Finn will discuss his research in the area of Energy Systems (Heat pumps, refrigeration, air-conditioning, climate control) and Building Energy (Evaporative cooling, radiant cooling, night ventilation, natural ventilation).

Date: 2nd November

Time: 9:00-13:00

Location: UCD, Engineering & Materials Science Centre

Registration or for further info:

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KARIM

The KARIM project is a transnational project co-funded by the INTERREG IVB North West Europe Programme. UCD is one of eight partners from six countries who will work together to improve SME access to high value innovation support and technology and make NWE more competitive.

A presentation by KARIM staff will discuss how KARIM can facilitate Industry.

