

FUN TECH DAY

THURSDAY, July 14th 2016, 2:00-5:00pm



The academic staff of the B.Sc. (Hons) Computing programme at UCLan Cyprus invites you to a special Tech Day to learn more about our programme and have some fun while doing so! This includes a tour of the InSPIRE Research Centre, an overview of current and recent projects, and some fun activities.

The Fun Tech event will start at 2pm and finish at 5pm, after which you can join us at our Open Day!



Design the Facebook Database

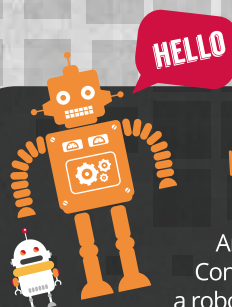
Relational databases are considered the foundation of western civilisation enabling practitioners to interpret and understand complex relationships that exist amongst data.

In this fun activity, we present the basic "tools" for modelling these relationships and then we use this newly found knowledge to design a simplified version of the Facebook database.

Groups of 4 will participate in a fun competition for the best design that will receive a "sweet" prize at the end.

2:00-2:30pm

Instructor: **Dr Panayiotis Andreou**



Learn Robotics

An introduction to Robotics Concepts, including how to program a robot. The workshop gives you the opportunity to build your own Engino robot in teams.

Once the robots are built, you will work together to complete simple sets of instructions to get your robot moving, autonomously! The instructors will be assisting the teams every step of the way.

2:30-3:30pm

Instructor: **Dr Josephina Antoniou**



So You Want to Become a Computer Game Programmer?

The development of computer games is a booming, multi-billion-dollar industry world-wide.

As a result, mastering the science behind the design and development of computer games can provide the basis for an exciting and fulfilling career. In this activity we visit several stages of the game-development process, including realistic 3D computer graphics, and simple game prototypes from the material covered in our course.

3:30-3:50pm

Instructor: **Dr Paris Kaimakis**



Password cracking

This session covers fundamental aspects on password cracking in an effort to realize how easily someone can obtain our password and gain unauthorised access on our systems. At the end of the session you will be able to construct strong passwords and avoid bad password selection practices. We will cover best practices for password construction, demonstration of password cracking techniques, fun activities on different password cracking concepts, and countermeasures.

3:50-4:30pm

Instructor: **Dr Eliana Stavrou**



A guided tour of the InSPIRE Research Centre (<http://inspirecenter.org>) space, with demos ranging from student projects (augmented reality worlds, autonomous drone navigation, etc.) to commercial projects (from basic websites, to monitoring and provisioning medicine sales in Cyprus).

4:30-5:00pm