

## <CS Research Seminar Series>

*-towards building research collaborations-*

# “Examples of useful tools for development cycles and teaching”

**Speaker:** Dr Marc Edwards

**Venue:** Thornton – [Room TSU106, Building 38](#)

**Date:** Wednesday, 15<sup>th</sup> June 2016

**Time:** 14.00

**Audience:** Staff and students interested in research



### Summary:

An increasing amount of prototyping tools are now available thanks to the input from a passionate community of technologists who break down the boundaries between arts, science and technology. Those who want to prototype ideas can do so without having to learn assembly language or reading musical scores or a significant experience in painting. These tools allow people to test ideas easily and quickly so that they can work more effectively. Some of these include; VVVV, Processing, OpenFrameworks, Max MSP, PureData, OpenSCAD and Mathematica and even Scratch. Many of these tools also allow for the easy integration of hardware and shortening the development cycle. Playing with these tools can also help with the creation of new ideas because of their strong visual aspects and high level nature. Marc will show how he has used some of these tools to help teach programming concepts as well as in his own research.

### Speaker's bio:

Marc has recently joined the Medical Graphics Research Group at Chester University and has a passion for Computer Science. He taught himself to program computers and enjoys the upskilling process of learning new things. Marc has a materials science background having obtained his PhD in Crystal engineering. His research was funded by the EPSRC (CASE award) and the Cambridge Crystallographic Data Centre. Marc obtained the Graduate Seminar Award in 2001 (<http://www-jmg.ch.cam.ac.uk/events/colloquia/physold.html>) for presenting his PhD research. He obtained his MPhil in molecular imprinted polymers, and a BSc in Medicinal and biological Chemistry. He is also a qualified teacher and taught Chemistry and Physics at George Washington Academy, Morocco, from 2010-2012, and was a member of the schools technology board.

*Treat: Tea and coffee + cookies will be served*