

Education All-hands Event 2018

Tuesday 30th October
University of St Andrews



University
of Dundee



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sicsa* The Scottish Informatics &
Computer Science Alliance

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WELCOME

I would like to welcome everyone to the 2018 Education All-Hands Event. The purpose of this event is to give us a chance to get together, work together and find common ground between us. So please take advantage of coffee breaks and workshops to share ideas and experiences.

If you are new to SICSA, welcome! This event is for everyone, whether you have lots of education and teaching experience, or if you are here to learn new tips and tricks. Teaching is a key part of an academic role and after today you should be able to make it a (more?) enjoyable experience for both you and your students.

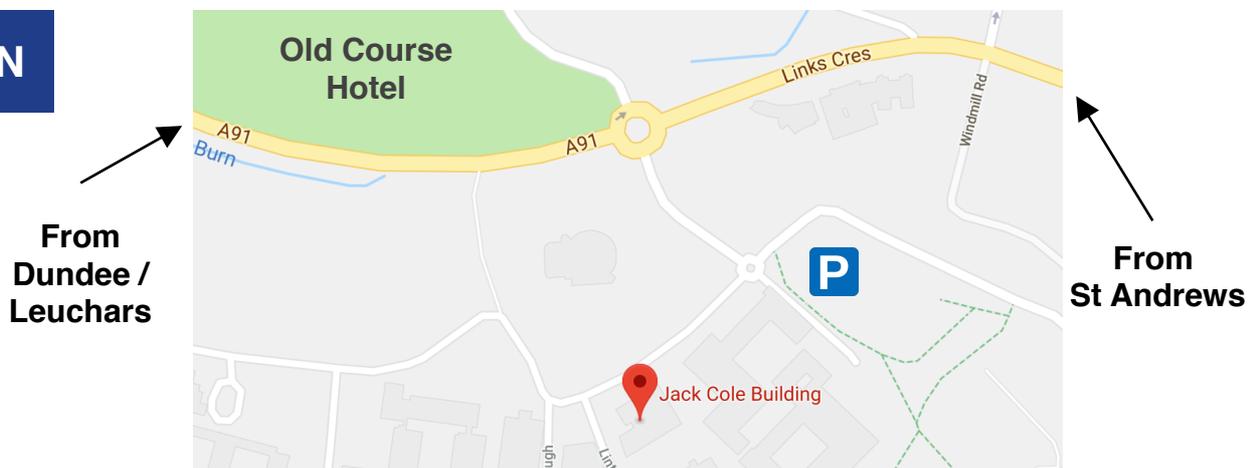
Thanks in advance to all those who have agreed to speak or who have volunteered to run workshops. A huge vote of thanks must also go to Dr Dharini Balasubramaniam for taking care of local arrangements and to the University of St Andrews for providing space for us to use today.

Make sure you know how SICSA Education can help to fund your activities. See <https://www.sicsa.ac.uk/education/education-event-sponsorship/> or contact me to find out more.



Dr Rachel Menzies
SICSA Director of Education
University of Dundee

LOCATION



Jack Cole Building, North Haugh, St Andrews KY16 9SX

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SCHEDULE

1000 - 1030 Registration and Coffee

1030 - 1040 Welcome

1040 - 1130 **Keynote: Prof Quintin Cutts**
Making the most out of your teaching, in every sense

(Almost) nobody in academia escapes teaching. Some love it, some don't. This talk aims to highlight some activities that might make it more enjoyable and that can also lead to personal reward, while at the same time taking forward the effectiveness of education in our discipline. With luck, the talk should contain something of interest for everyone, whether teaching/scholarship or research/teaching academic.

1130 - 1140 **Lesley Broadwood - Introduction to the Digital Skills Partnership**

1140 - 1245 **Workshops (please attend ONE workshop)**

Lecture Capture: The Road to Surveillance is Paved with Good intentions
Tristan Henderson, University of St Andrews

Lecture capture is increasingly used in higher education institutions in a variety of forms. The benefits of lecture capture are often discussed, such as aiding accessibility, providing ease for revision and improving student learning outcomes. Seldom discussed, however, are disadvantages, in particular of the breaching of lecturers' human rights and a breakdown of trust and confidence between employee and employer, as evidenced in the recent USS strike. We will describe a new piece of research that has looked at lecture capture policies and their relationship to human rights, and we will discuss various ways for protecting academic staff. This workshop will be a 30-minute presentation of the area and research results followed by 30-minutes open discussion

Proposed outcomes: increased awareness of the negative consequences of lecture capture and also awareness of the new JISC and BILETA lecture capture guidance that we have helped to draw up, which can be fed back to individual institutions to improve the status quo.

<https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3234382>

Peer-Testing: A platform for peer feedback based on programming tests.
Leon McGregor & Manuel Maarek, Heriot-Watt University

In Computer Science courses, students undertake coursework exercises, often comprising of programming tasks. Students write and submit code, then receive feedback from the lecturer. This methodology has several problems, e.g. feedback on individual submissions takes time, and when it is returned it may be too late for students to act on.

Peer-testing is a web platform that has been developed to enhance the coursework process with peer interaction and program testing. Students submit their solutions, peer-test other's solutions and give feedback on each other's solutions.

Including a final stage of reflective reporting, Peer-testing offers many benefits to the coursework process such as: more immediate feedback; experience in evaluation in addition to programming and adds peer interaction while maintaining the solo programming assessment

This session will introduce the platform, give an overview of how it works and then showcase the tool in action in a simulated lab exercise to show what students experience when using the platform.

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1245 - 1330 **Lunch**

1330 - 1430 **Presentations**

Chair: Dr Roger McDermott, Robert Gordon University

Sofiat Olaosebikan, University of Glasgow

Programming Workshop for Scientists in Africa (PWSAfrica)

PWSAfrica aim to empower students and staff at African universities with essential computer programming skills. The first edition of this workshop ran for two weeks in August 2018 at the University of Ibadan in Nigeria, where five research students from the School of Computing Science, University of Glasgow introduced the participants to programming for mathematical sciences, using the Python programming language. There were over 100 participants in attendance. In this talk, I will highlight some of our experiences from running the workshop, the teaching strategies that worked and the ones that did not, and the overall workshop impact.

Prof Sally Smith, Edinburgh Napier University

Graduate Apprenticeships: Computing skills recognition, acquisition and application

In Scotland, the 2017 introduction of Graduate Apprenticeship (GA) degrees brought new opportunities to study computing through work-based learning. This presentation describes research workshops and interviews held with a diverse cohort of new computing apprentices. The aim was to gain insights into their contexts, motivations and challenges, to inform appropriate support and flexibility from the university, as well as fruitful collaboration with their employers.

1430 - 1445 **Coffee**

1445 - 1530 **Panel: Challenges and Opportunities in Higher Education**

- Dr Karen Petrie (chair), University of Dundee
- Dr Michael Crabb, University of Dundee
- Prof Quintin Cutts, University of Glasgow
- Prof Claire Peddie, University of St Andrews

1530 - 1545 **Wrap up and close**
Any announcements?