Minutes   Meeting of Industrial Advisory Board

Date   **11-May-16**

Present

Fabio Ciravegna	*[FC]*	*Chair of Industrial Liaison, TUoS*
Eva Barabas	*[EB]*	*NHS Digital*
Steve Bellerby	*;SB]*	*NHS Digital*
Michael Dimelow	*[MC]*	*Arm*
Malcolm Beattie	*[MB]*	*IBM*
Heather Bell	*[HB]*	*Undergraduate Student Representative, TUoS*
Sam Chapman	*[SC]*	*The Floow*
Many Chessell	*[MC]*	*IBM*
Richard Clayton	*[RHC]*	*Deputy Head of Department, TUoS*
Paul Hill	*[PH]*	*Goldman Sachs*
Tracey Hill	*[TH]*	*Careers Service, TUoS*
Michael Howe	*[MH]*	*Otus Labs*
Thom Lawrence	*[TL]*	*Delver*
Steve Maddock	*[SCM]*	*Director of Teaching, TUoS*
Andy Mayer	*[AM]*	*Yoomee*
Graeme McCarthey	*[GM]*	*Lightwork Design*
Chris Murray	*[CM]*	*Managing Director, epiGenesys*
Siobhan North	*[SDN]*	*Placements Officer, TUoS*
Jeremy Purches	*[JP]*	*Nvidia*
Johnny Rippon	*[JP]*	*Hive IT*
Kathryn Roden	*[KMR]*	*Minutes, TUoS*
Ben Short	*[BS]*	*Faculty Employability Hub, TUoS*
Mike Stannett	*[MPS]*	*Accreditation and BCS contact, TUoS*
Ash Young	*[AY]*	*Evoluted*

Apologies   Guy Brown, Head of Department; Andy Fawkes, Bi Simulations; David Forrester, Lightwork designs; Phil McMinn, Director of ITMB and SdfB degrees; Lucia Specia, Prof of Language Engineering.

1. **Welcome and apologies**

   Noted: FC welcomed the committee and acknowledged the apologies.

   Noted: FC explained that this is the first year the board will meet twice a year with the next meeting happening on the same day as the MSc Poster Session.

2. **Minutes of last meeting**

   Noted: It was agreed that the minutes of the last meeting were a fair and accurate record.

3. **Deputy Head of Department presentation (Richard Clayton)**

   Departmental update:
   UG student numbers have increased and we expect the high numbers to be sustained. The quality of students is high.
   The way computer science is being taught in schools is changing. The department need to think of how to respond to this. The new A Level may include similar material to modules taught in the first year.

   The department currently has about 20% female students.

   MC asked if there would be problems with lab space/timetabling as students go through the years (in response to increasing student numbers). RHC explained that the Diamond has the capacity to teach all 1st and 2nd year students.

   MC commented that there used to be an A Level in CS 30 years ago, did it disappear? SCM – yes, it also depends on the school and the staff who are qualified to teach it if it is offered now.
   SCM stated that the trend for students taking the A Level will be influenced by students taking GCSE CS which will feed into A Level demand.

   FC pointed out the quality of the students is high and that two have recently organised hackathons.

   Staff highlights:
   Lucia Specia and Kalina Bontcheva have been promoted to professors.
   Paul Richmond and Mike Croucher were both awarded ESRC fellowships

Strategic review:

Department has plans to grow in terms of staff numbers. At the moment we are recruiting posts in Machine Learning and Security.

Mandy asked if there were plans for running a two year MSc.
RHC explained that there are two options
- 2 years with a break over the summer for placement
- 1 year MSc – MBA second year with project. This version will be starting in 2017

4. New MSc Data Analytics – Mark Stevenson

GM asked if we teach data analytics to our first year students. Second year students take a data driven computing module.

There are two projects with the course – team and individual. The team projects will be driven by industry/data providers.

MD would like the department to think about how things are pushed to the end point; how to teach the end point to be smarter.

The course will not specifically teach basic software design but as it is being run by a computer science department this will come across in the teaching.

5. Faculty Employability Hub update – Ben Short (no slides)

100% increase in the number of students needing a placement.

Employability team can help support members of industry in finding students and there will be support throughout the year such as a visit and attendance monitoring.

Team are keen to get data from employers – where are our students lacking in skills outside of academia? An example could be team working.

Employability team are happy to help with recruitment process for example they can host onsite interviews.

6. Careers update Tracey Hill

Careers team can help companies develop placement opportunities if they don't already offer them.

New system – careers connect: http://www.shef.ac.uk/careers/employers/careerconnect

Reiterated what Ben said – employers can interview on campus

Careers team can arrange for employers to meet students: recruitment fairs, networking events, pop up banner in high footfall areas.

Industry members can run skills workshops, mock interviews etc.

7. AOB

Action: send any ideas or meeting topics to Monkia Kus at m.kus@sheffield.ac.uk

Date of next meeting: Wednesday 31 August 2016 – Research focus and MSc Poster Session.

8. Best Poster

Best Video: Dominic Jackson, *Building a Calculator in Minecraft* £50 Amazon voucher sponsored by The Department of Computer Science
Best Poster:. Christopher Winward, *Predicting PC usage in Sheffield University libraries*. £125 Amazon voucher sponsored by IBM
Most innovative idea:. William Sutherland, *Roadbot: A Computer Vision Robot to Play the Mobile Game Crossy Road*. £100 Amazon voucher sponsored by The Floow
Runner up: George-Andrei Ionita, *Digital Signal Processing for Bass Guitar on Raspberry Pi.*