

**Faculty of Engineering & Design**

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**Meeting:** **FACULTY BOARD OF STUDIES**  
**Date and Time:** **Wednesday 26 February 2020 at 2.15 pm**  
**Venue:** **2 East 3.4**

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Present: Professor Gary Hawley Dean (*Chair*)

Professor John Chew	Dept. of Chemical Engineering
Dr Andrew Cookson	Dept. of Mechanical Engineering
Dr Jos Darling	Dept. of Mechanical Engineering
Dr Marianne Ellis	Dept of Chemical Engineering
Prof. Stephen Emmitt	Dept. of Arch & Civil Engineering
Dr Adrian Evans	Dept. of Electronic & Electrical Engineering
Dr Vaggelis Giannikas	School of Management
Professor Tim Ibell	Associate Dean Learning & Teaching
Prof. Gary Lock	Dept. of Mechanical Engineering
Prof. Davide Mattia	Associate Dean Research
Dr Francis Robinson	Dept. of Electronic & Electrical Engineering
Mr Archie Walker	Student Representative
Ms Leah White	Student Representative
Dr Mike Wilson	Dept. of Mechanical Engineering

In Attendance: Mrs Rachel Summers Faculty Assistant Registrar

Apologies: Apologies for absence were received from Dr Kirill Cherednichenko, Dr Sally Clift, Dr Sabina Gheduzzi, Dr Carmelo Herdes Moreno & Dr Maria Valero

**ACTION**

**1774 WELCOME & APOLOGIES**

Apologies as detailed above were noted.

**1775 MINUTES OF THE PREVIOUS MEETING (FE2019-20/080)**

The unreserved minutes of the meeting of the Board of Studies held on 15 January 2020 were approved as a correct record of the proceedings.

**1776 MATTERS ARISING**

There were no matters arising.

**1777 CHAIR'S BUSINESS**

The Chair advised that there were no matters to be reported.

**1778 GRANTS & CONTRACTS REPORT 2019-20 (QUARTER 2) (FE2019-20/081)**

The Board received and noted the second quarter Grants & Contracts report for 2019-20.

**1779 FACULTY RESEARCH CENTRES (FE2019-20/082-84)**

i. Closure of Centre for Orthopaedic Biomechanics (COB) (FE2019-20/082)

The Board received the report from Faculty Research Committee (FRC) recommending closure of the Centre for Orthopaedic Biomechanics. A detailed review of the Centre had been carried out in response to feedback from FRC and the Board of Studies and the Dept. had concluded that in its current format the Centre was no longer viable. The Board noted that all members of the Centre were also affiliated to other Research Centres. The Board noted that a new Centre in this research area would not be considered at this stage and the Department would reflect further on how to best develop the area of healthcare engineering. The Board approved the recommendation to close the Centre for Orthopaedic Biomechanics with immediate effect.

ii. Establishment of new Research Centre: Advanced Design & Manufacturing Centre (ADM) (FE2019-20/083)

The Board received the proposal from the Department of Mechanical Engineering (endorsed and supported by FRC) to establish a new Research Centre in Advanced Design & Manufacturing. The new Centre aims to make visible the Dept's existing strengths in this area of research and its strong links with industry. ADM has several new Early Career Researcher (ECR) members and cross faculty / school research collaboration e.g. with the School of Management. ADM also aligns with core activities in the EPSRC Manufacturing the Future theme. The establishment of the Centre will allow for the development of an external profile and support the pursuit of large grant awards. The Board commended the proposal and approved the recommendation for the establishment of the Advanced Design & Manufacturing Centre.

iii. Establishment of new Research Centre: Centre for Infrastructure, Geotechnics, & Water Engineering (IGWE) (FE20-19-20/084)

The Board received the proposal from the Department of Architecture & Civil Engineering (endorsed and supported by FRC) to establish a new Research Centre for Infrastructure, Geotechnics & Water Engineering. The Board queried what differentiated the proposed new Centre's research focus from the pre-existing Water Innovation Research Centre (WIRC). Professor Ibell explained that the new Centre's research focus was on the interface between the built environment and infrastructure with the natural environment, particularly water. In essence WIRC's research focus is around the availability of water (i.e. when there isn't sufficient water to meet needs) whereas IGWE looks at the impact of water on infrastructure (i.e. when there's too much water). The Board noted that the Dept. had reviewed its research strategy and strengths in this area and that the intention was to develop a new MSc taught programme which aligned to the proposed Centre's research. The Board commended the proposal and approved the recommendation for the establishment of the Centre for Infrastructure, Geotechnics, & Water Engineering

**1780 ANNUAL REPORT- MONITORING OF STANDARDS (SCALING) 2018-19 FE2019-20/085)**

The Board received the annual monitoring report on units considered by Boards of Examiners for Units (BEUs) during 2018-19, which had mean marks in the atypical range and/or had been scaled. The Board noted that there had been a decrease in the

overall number of units with mean marks in the atypical range compared to 2017/18 – down from 31 to 25, of which 16 units had been scaled. The Board noted that all BEU decisions to scale units were now recorded on SAMIS in order to improve transparency of decision making.

#### **1781 REPORTS FROM ASSOCIATE DEANS & DEPARTMENTS**

- a) Dr Ellis (HoD Chemical Engineering) was pleased to report that Dr Tom Arnot had been awarded a £154k grant from Innovate UK. In staffing matters Dr Alf Hill had passed probation.
- b) Professor Gary Lock (HoD Mechanical Engineering) provided an update on recent research application successes including, Prof Patrick Keogh - £528k from Innovate UK and £197k from Gyrotricity, Prof Richard Butler - £934k from EPSRC & Prof Chris Brace - £695 from Innovate UK. In staffing news Dr Hui Tang had been translated from a Prize Fellow to Lecturer and Dr Carl Sangan had been translated to Reader. Dr Nic Zhang would be starting on 1 April 2020 as a Lecturer in IAAPS. The Dept. is currently advertising a Senior Teaching Fellowship (now Lectureship) in Automotive Engineering.
- c) Dr Adrian Evans (HoD Electronic & Electrical Eng.) reported that the Dept. was in the process of shortlisting for three academic positions. Interviews had taken place for three posts and two offers had been made, one at Reader level and the other at Lecturer level. In staffing news Dr Matt Cole had successfully passed probation. Dr Corwin Wright had been awarded £35k from the Royal Society, with a matching £25k requested from the University, to purchase and deploy airglow cameras in the Antarctica (subject to formal confirmation).
- d) Professor Tim Ibell (Associate Dean L&T) provided an update on CT progress –Mech UG CT proposals were scheduled to be considered by the March meeting of FLTQC for Phase 2 & 3 approval He drew the Board's attention to the STEM Diversity Challenge competition.
- e) Professor Davide Mattia (Associate Dean Research) provided an update on REF preparations. The REF Delivery Group' work on the REF Dress Rehearsal (RDR) was almost complete and would be approved at the Faculty REF Delivery Group meeting in March, along with the full RDR submission.
- f) Professor Stephen Emmitt (HoD. Arch & Civil Eng.) reported several staffing matters, Dr Kevin Paine had been promoted to Professor from 1 March 2020, Prof Vaughan Hart would be retiring in August and Dr Giorgia Giardina would also be leaving the Dept. He was pleased to report that Dr Kevin Briggs had been awarded an RAEng Fellowship.

#### **1782 FACULTY LEARNING TEACHING & QUALITY COMMITTEE MINUTES (FE2019-20/086)**

The (unconfirmed) unreserved minutes of the Faculty Learning Teaching & Quality Committee meeting held on 8 January 2020 were received and noted.

#### **1783 FACULTY DOCTORAL RESEARCH STUDIES COMMITTEE MINUTES (FE2019-20/87)**

The unreserved minutes of the Faculty Doctoral Research Studies Committee meeting held on 30 November 2019 were received and noted.

**1784 BOARD OF STUDIES (DOCTORAL) COMMITTEE MINUTES (FE2019-20/88-92)**

The unreserved minutes of the following Board of Studies (Doctoral) meetings were received and noted.

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|------|------------------|---------------|
| i)   | 4 September 2019 | FE2019-20/088 |
| ii)  | 2 October 2019   | FE2019-20/089 |
| iii) | 30 October 2019  | FE2019-20/090 |
| iv)  | 20 November 2019 | FE2019-20/091 |
| v)   | 4 December 2019  | FE2019-20/092 |

**1785 DEPARTMENTAL SSLC MINUTES (FE2019-20/093)**

The Board received the minutes of the Staff Student Liaison Committee (SSLC) meetings as detailed below,

- (i) Dept of Arch & Civil Engineering (UG – Joint meeting) 4 Dec 19

**1786 ANY OTHER BUSINESS**

- a) The Chair reported that the first round of awards from the Arthur Clements fund to support students at the outset of their engineering careers during their professional placements would shortly be awarded. Further details about the fund can be found at:

<https://www.bath.ac.uk/announcements/250-000-gift-to-support-mechanical-engineering-students-at-bath/>