

UNIVERSITY OF WARWICK
BOARD OF THE FACULTY OF SCIENCE, ENGINEERING & MEDICINE
OPEN MINUTES OF THE MEETING HELD
14:30, THURSDAY 24 NOVEMBER 2022 IN CMR 1.0

Present	Professor Lorenzo Frigerio	Chair
	Professor David Davies	Deputy Chair and Chair of the SEM Faculty Education Committee
	Dr Nikola Chmel	Faculty Education Committee member representing postgraduate education
	Professor Robin Clark	Warwick Manufacturing Group
	Professor Steven Dixon	Physics
	Professor Jon Forster	Statistics
	Dr Daniel Franklin	Faculty Education Committee member representing undergraduate education
	Professor John Greenlees	Mathematics
	Thomas Hart	Undergraduate student representative
	Professor Adam Johansen	Statistics
	Professor Sudhesh Kumar	Warwick Medical School
	Dr Leda Mirbahai	Warwick Medical School
	Professor Mark Newton	Physics
	Professor Dan Nunan	Faculty Education Committee member representing postgraduate education
	Professor James Robinson	Mathematics
	Kiranjit Shergill	Postgraduate taught student representative
	Professor Yulia Timofeeva	Computer Science
	Professor Cagatay Turkey	Board of the Faculty of Social Sciences Representative
Professor Mike Ward	Chemistry	
Professor Derrick Watson	Psychology	
Attending	Ruth Cooper	Faculty Director of Administration
	Kate Courage	Library observer
	Phil Griffiths	Assistant Secretary (minute taker)
	Carole Harris	Head of Research Governance [item 036]
	Sam Johnson	Academic Support Librarian
	Dominic Sheehy	Acting Assistant Secretary
	Professor Mike Shipman	Programme Sponsor, STEM Grand Challenge [item 007]
Ref	Item	
001	<p>Welcome and Apologies for absence</p> <p>The Chair welcomed all, including the following new members who had joined the Board:</p> <ul style="list-style-type: none"> • Dr Nikola Chmel • Professor Gill Cooke • Dr Daniel Franklin • Professor Peter Gammon • Dr Leda Mirbahai • Professor Dan Nunan • Dr Gavin Schwartz-Leeper • Dr Long Tran-Thanh; <p>and also the following student representatives:</p> <ul style="list-style-type: none"> • Undergraduate: Thomas Hart • Postgraduate: Kiranjit Shergill 	

	Apologies were received from: Professor Gary Bending, Professor Gill Cooke, Professor Peter Gammon, Professor Miriam Gifford, Professor David Haddleton, Professor Georgia Kremmyda, Dr Fiona MacCallum, Dr Lydia Plath, Professor James Robinson, Dr Gavin Schwartz-Leeper, Professor David Towers, Dr Long Tran-Tranh.
002	Declarations of Interest No new declarations were made.
003	Minutes of last meeting on 26 May 2022 The minutes of the meeting held on 26 May 2022 (003-BFSEM241122) were approved .
004	Matters arising from last meeting on 26 May 2022 (a) Update on committee Report/Coversheet Templates (minute 032-BFSEM260522 refers) A request was submitted to the institutional governance team to include specific coversheet tick-boxes relating to departmental consultation and workload implications. Their feedback was that workload impact was expected to be linked to risk and be addressed in the report and coversheet in that way; consultation with relevant stakeholders should also already have taken place and this should be covered in the report and as part of the route map, which does not have to be limited to formally constituted committees. It is the role of the faculty-level committee members to ensure that consideration of faculty business had taken place within departments and to ensure departmental views were being expressed during committee and Board meetings. (b) Update on moderation and interdisciplinarity within REF (minute 033-BFSEM260522 refers) The Panel reports had not provided any further information on moderation and interdisciplinarity beyond what had previously been reported the Board. The Future Research Assessment Programme was expected to report soon and it was anticipated that this might be a more suitable point to provide a more substantive update on these areas. (c) Introduction of a Student Representative Report agenda item (minute 040-BFSEM260522 refers) Following discussion between the Chair, Deputy Chair, Secretary, and the incoming Student Representatives, this would feature as a standing item on Board meeting agendas going forward.
Governance	
005	Membership and Terms of Reference 2022-23 The Board noted its 2022-23 membership and terms of reference had been approved by the Senate, as set out in 005-BFSEM241122. The Chair had taken Chair's Action to approve the membership and terms of reference of the Faculty Education Committee, as set out in the Faculty Representation on University Committees paper which has been circulated with this meeting's papers below the line (012-BFSEM241122 refers). Chair's action had been used as the first SEMEC meeting of the academic would take place before the first Board meeting.
Chair's Update	
006	Chair's Business and Actions (a) Good news from the Faculty A report had been circulated to members as part of the meeting pack (011-BFSEM241122 refers). The Chair highlighted in particular the procurement on campus of the UK's most powerful Nuclear Magnetic Resonance instrument . (b) ITLR and Committee Members' Load in Term 2 Noting concerns about committee members' workload during the ITLR, the Director of Education Policy and Quality had emailed academic committee chairs on 4 November 2022 requesting Chairs and Secretaries to be mindful of colleagues' ITLR commitments during term 2 and consider: slimming down meeting agendas, reducing membership requirements, or allowing relevant members to nominate alternates to attend in their place.

Main Items

007

STEM Grand Challenge

The Pro-Vice-Chancellor (International) and programme sponsor for the [STEM Grand Challenge](#) delivered a [presentation](#) updating the Board on recent progress. Key points from the presentation and subsequent discussion were as follows:

- Acting as an umbrella programme, the STEM Grand Challenge had several [workstreams](#) including the development of new research and teaching spaces for the Departments of Chemistry, Engineering and Physics, whose buildings were rapidly coming to the end of their useful life.
- The intention was to create a world class environment on the Warwick campus that would help attract and retain the best talent and make it easier to collaborate between disciplines, and develop partnerships with industry.
- The new buildings' internal spaces would be designed to allow flexibility in their use, ensuring that the buildings would be fit for purpose for at least the next 50 years.
- The programme included the development of new courses, including growth in degree apprenticeships, and increasing the proportion of international students within the Faculty by growing the number of interdisciplinary postgraduate courses.
- Several new interdisciplinary courses were already under consideration by Partnerships Committee, including two new degree apprenticeships; these courses had all been market tested, industry aligned, and would be appealing to international students. The ambition was that new programmes would generate an additional 2000 students on campus by the early 2030s.
- Under the banner of "Science for Sustainable Futures" it was hoped that new undergraduate provision would also be developed.
- [Engagement](#) had taken place via a variety of mechanisms and programme activity would be ramping up over the next 12-18 months.
- [Professor Mike Caine had recently been appointed as a full-time external programme director](#), and would be in post from 28 November 2022. Professor Caine was the inaugural Dean of Loughborough University's London campus, located on the Queen Elizabeth Olympic Park, and would bring to the programme extensive experience in leading the formation of new programmes, staff recruitment, as well as leading on capital design.
- Growth in research would build on existing departmental strengths as well as horizon-scanning for new opportunities. The intention was to co-locate people, activities and equipment to create synergies and further consideration for how to better facilitate interdisciplinary research would be undertaken.
- The Pro-Vice-Chancellor (Research) was undertaking work in relation to GRPs, Research Centres and departments to explore and ensure the programme's plans were optimised.
- The initial Research Vision for the programme included the following broad themes:
 - Molecules, Materials & Structures
 - AI, Digital, & Smart Applications
 - Energy & Environment
 - Frontier Science & Engineering
 - Health & Medical Technologies
- The capital elements of the programme were currently at RIBA stage 2. A series of governance steps would be completed in the spring of 2023 leading to the programme being presented to the University Council in May 2023 to approve funding.
- The first phase of capital construction would take place between 2024-2028, later phases would be completed by approximately 2032.
- The programme would also provide a source of project opportunities for students to become involved in the planning.
- The Faculty of Social Sciences was considering its own grand challenges and it was noted that these would provide further opportunities to help break down cross-faculty boundaries.

ACTION: Secretariat to share the [presentation slides](#).

008	<p>Items from the Faculty of Science, Engineering and Medicine Education Committee</p> <p>Deputy Chair and Chair of the SEM Faculty Education Committee presented the minutes from the SEMEC meeting which took place on 26 October 2022 (008-BFSEM241122).</p> <p>The most recent SEMEC meeting minutes would be circulated to the Board going forward.</p>
009	<p>Student Representatives Updates</p> <p>The Undergraduate and Postgraduate Taught student representatives presented the Students' Union's Education Priorities for 2022-23 report (009-BFSEM241122) and also raised the following matters:</p> <ul style="list-style-type: none"> • The outcomes of three recent All Student Votes (ASVs) were reported. Two concerned current industrial action: the SU had voted in favour of supporting strike action and had voted in favour of mitigating the impact of strike action on students. The other ASV related to self certification, noting that 83% of students who voted in this ASV opposed the removal of self certification, and the Students' Union would release the results of further student surveys it had undertaken in relation to this matter shortly. • It was also reported that there had been some rolling back on the availability of lecture capture, mostly in non SEM departments.
010	<p>Triennial review of University Research Centres</p> <p>The Assistant Director, Research and Impact Services (RIS), and Secretary to the University's Research Committee, presented the triennial review report (010-BFSEM241122) for the following University Research Centres and invited the Board to make recommendations to the Research Committee to renew or provide any other feedback:</p> <p>(a) Warwick Cancer Research Centre DECISION: The Board recommended renewal, noting points raised by the Dean of WMS who recommended further scrutiny.</p> <p>(b) Warwick Environmental Systems Interdisciplinary Centre (WESIC) DECISION: The Board recommended renewal.</p> <p>(c) Centre for Fusion, Space and Astrophysics (CFSA) DECISION: The Board recommended renewal.</p> <p>(d) Milburn House Magnetic Resonance Lab DECISION: The Board recommended renewal.</p> <p>(e) Centre for Research in Statistical Methodology (CRISM) DECISION: The Board recommended renewal.</p> <p>(f) Fluid Dynamics Research Centre DECISION: The Board recommended renewal.</p> <p>(g) Warwick Interdisciplinary Research Centre for International Development (WICID) DECISION: The Board recommended renewal.</p> <p>(h) Mathematics Research Centre DECISION: The Board recommend the continuation for a further 2 years to bring it into the triennial review cycle.</p> <p>(i) Centre for Complexity Science DECISION: The Board recommended disestablishment, noting this research centre's activities would be incorporated into the new Warwick Centre for Applications of Mathematical and Computing Sciences</p> <p>Further related matters reported to the Board were as follows:</p> <p>(j) The Warwick Centre for Discrete Mathematics and its Applications was due for review but no review form had yet been received by RIS.</p> <p>(k) During 2022/23, RIS would be reviewing the Global Research Priorities and Interdisciplinary Research Centres. The review was currently at an early stage, noting an external consultant would be appointed. An update was likely to be ready to be presented at the May 2023 meeting of the Board.</p>

<i>Items below this line were for receipt and/or approval, without discussion</i>	
Theme Heading	
011	Good News from the Faculty The Board received and noted the report (011-BFSEM241122).
012	Representation on Faculty and University Committees The Board received and noted the report (012-BFSEM241122).
Other	
013	Any Other Business There was no other business.
Next meeting: Thursday, 23 February 2023, 14:30-16:00, CMR 1.0	

DECISIONS AND ACTIONS			
ITEM	DECISION/ACTION	LEAD AND DUE DATE	STATUS
[2022-2023]			
007 – STEM Grand Challenge	ACTION: Secretariat to share the presentation slides .	Phil Griffiths	Complete
010 - Triennial review of University Research Centres	<p>(a) Warwick Cancer Research Centre DECISION: The Board recommended renewal, noting points raised by the Dean of WMS who recommended further scrutiny.</p> <p>(b) Warwick Environmental Systems Interdisciplinary Centre (WESIC) DECISION: The Board recommended renewal.</p> <p>(c) Centre for Fusion, Space and Astrophysics (CFSA) DECISION: The Board recommended renewal.</p> <p>(d) Milburn House Magnetic Resonance Lab DECISION: The Board recommended renewal.</p> <p>(e) Centre for Research in Statistical Methodology (CRISM) DECISION: The Board recommended renewal.</p> <p>(f) Fluid Dynamics Research Centre DECISION: The Board recommended renewal.</p> <p>(g) Warwick Interdisciplinary Research Centre for International Development (WICID) DECISION: The Board recommended renewal.</p> <p>(h) Mathematics Research Centre DECISION: The Board recommend the continuation for a further 2 years to bring it into the triennial review cycle.</p> <p>(i) Centre for Complexity Science DECISION: The Board recommended disestablishment, noting this research centre’s activities would be incorporated into the new Warwick Centre for Applications of Mathematical and Computing Sciences</p>		