

## **2.9 Annual Report of University of Huddersfield Student Chapter**

### ***2.9.1 Brief Explanation of the History of the Chapter and its Objectives***

The University of Huddersfield is an associate member of the CIB. The CIB student chapter at the University is open to all postgraduate and undergraduate students with an interest in research and innovation in architecture and the built environment.

The University of Huddersfield launched the CIB Student Chapter, open to all postgraduate and undergraduate students with an interest in research and innovation of built-environment related subject-areas in 2016. The University of Huddersfield CIB Student Chapter looks to encourage students who will be among the next generation of leading researchers in building and innovation and aims to promote an exchange network, whereby members can discuss their experience, knowledge and research skills both together and with other local and international research communities. It offers the opportunity to demonstrate the significant advantages of CIB membership to students in the future professional, research and innovation careers.

The Student Chapter organises informative, educational, and relevant workshops, seminars and symposia that will further promote the research interests of Huddersfield students. All architecture and BE PhD students are automatically part of the CIB student chapter. The objectives of the student chapter are given below:

- The students have the opportunity to meet and network with fellow PhD students nationally and internationally
- The students have the opportunity to engage fully with CIB activities and Working Commissions, meet internationally leading professors in their research area
- The students have an opportunity to apply for The CIB Sebestyén Future Leaders Award - which awards up to €2500 annually
- The students are able to develop their networking and academic leadership skills
- The students are able to organise and deliver research events of interest through the CIB, so the events will be backed by an important international research organisation and could have international impact and dissemination
- The students can take part of the CIB World Building Congress, which happens every 3 years
- The students can be part of the Early Career Researchers network when you obtain your PhD

Research outputs and publications developed within the CIB student chapter and by its members will be disseminated in the chapter's website and other available medias. Once a year, the CIB student chapter of University of Huddersfield, will produce a newsletter or similar vehicle for communication with its membership and externally. The CIB General Secretariat will facilitate the external dissemination of such a newsletter.



### **2.9.2 Completed and Upcoming Activities of the Chapter in the Current Year**

- Completed Activities
  - Meeting the CEO, Don Ward: October 2022
    - We had a very productive meeting at The University of Huddersfield welcoming Don Ward, CEO of the CIB, International Council for Research and Innovation in Building and Construction. The agenda included a presentation of our research centres, a discussion of the world- leading research we develop at the School of Arts and Humanities, and opportunities to further develop our international collaboration across student chapters and with early career researchers.
  - Discussion way forward: Joint PhD supervisory meeting January 2023
    - The University of Huddersfield research organizes monthly supervisory meetings, where we can discuss our research outputs and receive feedback from the academic staff and teachers. This year, we discussed how to promote CIB Events within the research team and collaborate on a worldwide joint platform. We concluded the discussion with a proposal to organize a seminar to present individual research within a larger team and improve presentation skills.
  - Smart House & Immersive Technology Open Event & Living Lab March 2023
    - Step into the future at the University of Huddersfield's 2nd Living Lab and Smart House Open Day! Explore the cutting-edge of smart home technology and dive into our immersive VR Cave. Get hands-on with the latest innovations and witness the possibilities of smart living. Don't miss this extraordinary experience!
  - Presentation of Paper in CIB World Building Congress Australia, 2022
    - The conference was held as a hybrid event due to travel restrictions associated with the COVID-19 pandemic. Several researchers presented their research on this platform from The University of Huddersfield. This offered a great discussion with researchers worldwide about housing trying to engage in a sustainable built environment. All the academics involved in the discussion ignited a discussion among different approaches to construction techniques.
  - International PhD workshop Hybrid event, 8<sup>th</sup> September 2023
    - The Innovative Design Lab International PhD workshop provides an opportunity for students to present ongoing research and get feedback from a panel of senior academics. Presentations are welcomed across Architecture and the Built Environment. In this one-day event, each student will have 10 min to present their work and 15 minutes of discussion and feedback from the panel.
  - Digital Twinning the Built Environment, 27<sup>th</sup> September 2023



- This talk introduces research conducted at the University of Cambridge on inexpensive methods for generating object-oriented infrastructure geometry, detecting, and mapping visible defects on the resulting Digital Twin, automatically extracting defect spatial measurements, and sensor and sensor data modelling. The results of these methods are further exploited through their application in design for manufacturing and assembly (DfMA), mixed-reality-enabled mobile inspection, and proactive asset protection from accidental damage.
- Upcoming activities
  - Seminar Series in Architecture and the Built Environment
    - Prof. Song Wu, From eyes to lens, a journey towards digital bridge examination, 4th October
    - Prof. Dr. Carlos Formoso, Modular design and construction, 18th October
    - Prof. Vicente Gonzalez-Moret, Digitalisation of the Construction Industry through Lean Construction 4.0, 1st November
    - Dr.Zofia K. Rybkowski, The Complete Guide to Serious Games and Simulations for Lean-Integrated Project Delivery, 8th November
    - Prof. Rakesh Mishra, Digital twins for infrastructure systems, 15th November
    - Prof. Kalle Kähkönen, BIM enabled learning platform and solutions, 22th November
    - Dr Aso Hajirasouli, The integration of emerging technologies in Architecture, construction and Engineering Higher Education Pedagogy, 29th November
    - Prof. Sigrun Kabisch, Large housing estates in East Germany- challenges over 40 years, 6th December
  - Research over an Afternoon Tea, December 2023
    - The student chapter intends to initiate an afternoon Tea event in the University of Huddersfield. The agenda of the event is to meet the researchers informally and discuss on building skills over a cup of tea. The location for this event will be Create Lab followed by a writing session in Postgraduate research room SHB/01. We will also be presenting a couple of individual research to show progress from 1st year to 3rd year. This will allow discussions on academic writing, publishing papers, and building rapport.
  - Event: Are you struggling with Data Collection? Proposed date: 12 December 2023
    - Often the researchers struggle through data collection in the research period, we are planning to acknowledge this issue, and run a two- hour session on how each of the students are planning to collect data, how to develop the protocols and research ethics. This discussion will enable to

understand the problems that arise from previous experience, and how these can be approached and solved.

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### **2.9.3 The Planned Activities for the Chapter in the Upcoming Year**

- Student-Led Research Discussion – (Friday Sessions)
  - The student chapter plans to run several discussion sessions among the peers at the University. This will be informal presenting sessions among researchers to get peer-feedback, on how to overcome challenges, how to improve academic writing and progress monitoring, and publishing in journals and conferences. The proposed dates are:
    - 5 January 2024- (Writing techniques)
    - 16 February 2024- (Academic Referencing)
    - 22 March 2024- (Progression Monitoring Report)
    - 19 April 2024- (Progression Monitoring Viva)
- Discussion way forward: Joint PhD supervisory meeting November 2024
  - We will organize our monthly supervisory meetings, where we discuss our research outputs and receive feedback from the academic staff and teachers, and discuss the CIB student chapter activities.

### **2.9.4 Contact Information of the Executive Members of the Chapter**

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