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Research Theme

Building and Construction Materials and Manufacturing (BCMM)

Research Areas

- Micromechanics
- Multi-scale Viscoelastic Modelling
- Green Composites
- Cementitious and Geopolymer Composites
- Mechanics of Wood and Bamboo Composites
- Timber Structures
- Bio-inspired Structures
- 3D Printing of Composites

Research Facilities/Tools

- Six Degree-of-Freedom (DoF) shake table facility
- Advanced structural testing (L-shaped Vertical Strong Reaction Wall)
- Service life performance lab (controlled temperature and humidity)
- FE simulations and optimization tools
- Large-scale 3D Printing facility

