



香港科技大學
THE HONG KONG
UNIVERSITY OF SCIENCE
AND TECHNOLOGY



土木及環境工程學系
DEPARTMENT OF CIVIL AND
ENVIRONMENTAL ENGINEERING

SEMINAR

SUSTAINABLE STRUCTURAL SYSTEMS: FORM TIMBER TO BAMBOO

Speaker

Dr. Sigong Zhang

Newcastle University, UK



Abstract

Over the past decades, timber structure research has undergone a resurgence driven by the widespread adoption of mass timber construction, spanning a broad and diverse range of topics. This seminar outlines the speaker's recent research on timber structures, covering non-destructive testing of light-frame wood I-joists, connection performance in prefabricated timber floor systems, mass timber floor systems and bio-based material development, and directions for future work.

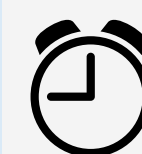
Biography

Dr. Sigong Zhang is a Lecturer in Structural Engineering at Newcastle University, UK. He earned his Ph.D. from the University of Waterloo, Canada, and brings over 15 years of international research experience spanning China, Canada, and the UK, with a focus on the vibration serviceability/habitability of lightweight floor systems and timber structures. Dr Zhang is the recipient of the Marie Skłodowska-Curie Individual Fellowship (2020) and the L. J. Markwardt Award from the Forest Products Society, USA (2021).



27 July 2026

Monday



2:00pm -3:00pm



**Room 3574 (Lift 27/28),
Civil Engineering
Conference Room, HKUST**

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