

Keynote Paper

Recent Advances and Innovation in Steel-Concrete Composite Structures

*Dennis Lam¹⁾ Xianghe Dai²⁾ and Therese Sheehan³⁾

^{1), 2), 3)} School of Engineering, University of Bradford, Bradford, UK, BD7 1DP
¹⁾ d.lam1@bradford.ac.uk

ABSTRACT

In modern building constructions, there is an increasing demand on innovative composite flooring systems, which has led to the recent development of various composite floor systems. In this paper, two composite systems are presented which do not required the use of the conventional welded stud shear connectors. The first system made use of the bolted shear connectors while the second system eliminated the use of shear connectors all together. Both composite systems offer vital benefits in terms of reusability as well as long spanning capability without or with fewer secondary beams, shallow floor depth, inherent fire resistance, etc., as well as the advantages offered by the conventional composite beam construction.



Fig. 1 Innovative composite floor systems

REFERENCES

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¹⁾ Professor

²⁾ Senior Lecturer

³⁾ Lecturer