

## Biography

Dr JIANG Liming is Assistant Professor in the Department of Building Environment and Energy Building, working primarily on fire safety engineering of building structures. His Research Interests include: Fire behavior in modern buildings; Structural response of tall building in fire, Hybrid simulation/testing for structures in fire; Fire-safe timber structure; Computational modelling and software development:OpenSees for Fire ([openseesforfire.github.io](https://openseesforfire.github.io))

## Qualifications

Master of Engineering, Tongji University

Bachelor of Engineering, Tongji University

Doctor of Philosophy, University of Edinburgh

## Employment

### Assistant Professor

Assistant Professor

Department of Building Environment and Energy Engineering

The Hong Kong Polytechnic University

30 Sep 2019 → present

## Research outputs

**Modelling concrete slabs subjected to fires using nonlinear layered shell elements and concrete damage-plasticity material**  
Jiang, L., Orabi, M. A., Jiang, J. & Usmani, A., 1 May 2021, In: Engineering Structures. 234, 111977.

**Thermal Analysis Infrastructure in OpenSees for Fire and its Smart Application Interface Towards Natural Fire Modelling**  
Jiang, L., Jiang, Y., Zhang, Z. & Usmani, A., 2 Jan 2021, In: Fire Technology.

### **An extended travelling fire method framework for performance-based structural design**

Dai, X., Welch, S., Vassart, O., Cábová, K., Jiang, L., Maclean, J., Clifton, G. C. & Usmani, A., 1 Apr 2020, In: Fire and Materials. 44, 3, p. 437-457 21 p.

### **Remaining fire resistance of steel frames following a moderate earthquake – A case study**

Zhou, M., Jiang, L., Chen, S., Cardoso, R. P. R. & Usmani, A., Jan 2020, In: Journal of Constructional Steel Research. 164, 105754.

### **Damage investigation of cementitious fire resistive coatings under complex loading**

Chen, S., Jiang, L., Wu, L., Wang, Y. & Usmani, A., 20 Apr 2019, In: Construction and Building Materials. 204, p. 659-674 16 p.

### **Computational performance of beam-column elements in modelling structural members subjected to localised fire**

Jiang, L. & Usmani, A. S., 1 Feb 2018, In: Engineering Structures. 156, p. 490-502 13 p.

## Activities

## Projects