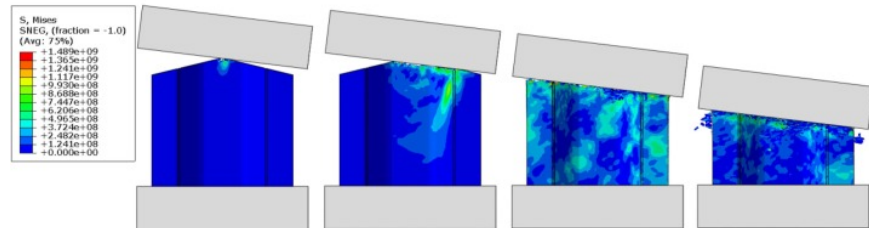
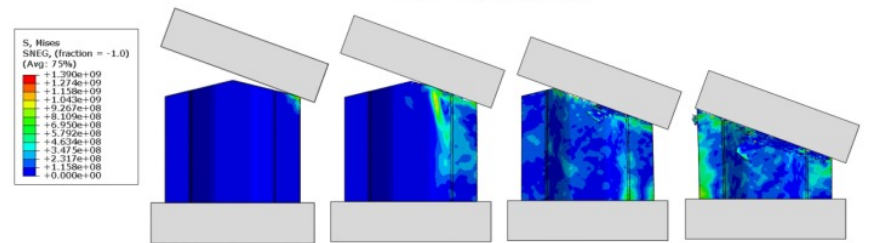


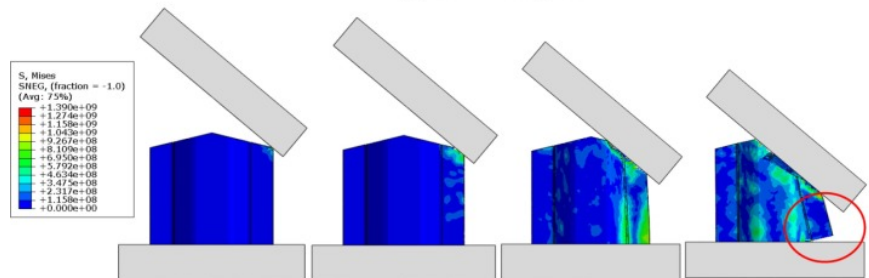
(a) 0° crushing level



(b) 7° crushing level



(c) 20° crushing level



(d) 40° crushing level



**Dr. Hongyong Jiang**

From: Hongyong Jiang and Yiru Ren (State Key Laboratory of Advanced Design and Manufacturing for Vehicle Body, Hunan University, Changsha, Hunan 410082, China), “Crashworthiness and failure analysis of steple-triggered hat-shaped composite structure under the axial and oblique crushing load”, *Composite Structures*, Vol. 229, Article 111375, 1 December 2019

See:

[https://www.researchgate.net/profile/Hongyong\\_Jiang](https://www.researchgate.net/profile/Hongyong_Jiang)  
<https://scholar.google.com.hk/citations?user=yh0K9cwAAAAJ&hl=zh-CN>

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**Selected Publications:**

Hongyong Jiang, Yiru Ren, Binhua Gao, Jinwu Xiang and Fuh-Gwo Yuan, “Design of novel plug-type triggers for composite square tubes: enhancement of energy-absorption capacity and inducing failure mechanisms”, *International Journal of Mechanical Sciences*, Vols. 131-132, pp 113-136, October 2017

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Yiru Ren, Hongyong Jiang, Zihui Liu, “Evaluation of double- and triple-coupled triggering mechanisms to improve crashworthiness of composite tubes”, *International Journal of Mechanical Science*, Vol. 157-168, pp 1-12, July 2019

Binhua Gao, Yiru Ren, Hongyong Jiang & Jinwu Xiang, “Sensitivity analysis-based variable screening and reliability optimisation for composite fuselage frame crashworthiness design”, *International Journal of Crashworthiness*, Vol. 24, No. 4, pp 380-388, 2019

Hongyong Jiang and Yiru Ren (State Key Laboratory of Advanced Design and Manufacturing for Vehicle Body, Hunan University, Changsha, Hunan 410082, China), “Crashworthiness and failure analysis of steeple-triggered hat-shaped composite structure under the axial and oblique crushing load”, *Composite Structures*, Vol. 229, Article 111375, 1 December 2019