



Professor Omid Mohammadiha

The middle images above are from: Omid Mohammadiha and Hashem Ghariblu, “Multi-objective optimization of functionally graded thickness tubes under external inversion over circular dies”, *International Journal of Mechanical and Materials Engineering*, Vol. 11, No. 8, 2016

The right-most images above are from: Omid Mohammadiha and Hashem Ghariblu, “Crashworthiness study and optimization of free inversion foam-filled tubes under dynamic loading”, *International Journal of Crashworthiness*, Vol. 23, No. 6, pp 605-617, 2018

See:

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Selected Publications:

Omid Mohammadiha and Hamid Beheshti, “Optimization of functionally graded foam-filled conical tubes under axial impact”, *Journal of Mechanical Science and Technology*, Vol. 28, No. 5, pp 1741-1752, May 2014

Omid Mohammadiha, Hamid Beheshti and Farhad Haji Aboutalebi, “Multi-objective optimization of functionally graded honeycomb filled crash boxes under oblique impact loading”, *International Journal of Crashworthiness*, Vol. 20, No. 1, pp 44-59, January 2015

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Omid Mohammadiha and Hashem Ghariblu, “Crush behavior optimization of multi-tubes filled by functionally graded foam”, *Thin-Walled Structures*, Vol. 98, Part B, pp 627-639, January 2016

Omid Mohammadiha and Hashem Ghariblu, “Crush response of variable thickness distribution inversion tubes under oblique loading”, *Thin-Walled Structures*, Vol. 109, pp 159-173, December 2016

Omid Mohammadiha and Hashem Ghariblu, “Theoretical analysis of functionally graded thickness tubes under dynamic external inversion loading”, *International Journal of Impact Engineering*, Vol. 110, pp 162-170, December 2017

Mohammadiha O, Ghariblu H (2017) Optimal shape design of functionally graded thickness inversion tubes subjected to oblique loading. *Struct Multidiscip O* 56(3):587–601

Omid Mohammadiha and Hashem Ghariblu, “Crashworthiness study and optimization of free inversion foam-filled tubes under dynamic loading”, *International Journal of Crashworthiness*, Vol. 23, No. 6, pp 605-617, 2018