



Professor Hashem Babaei

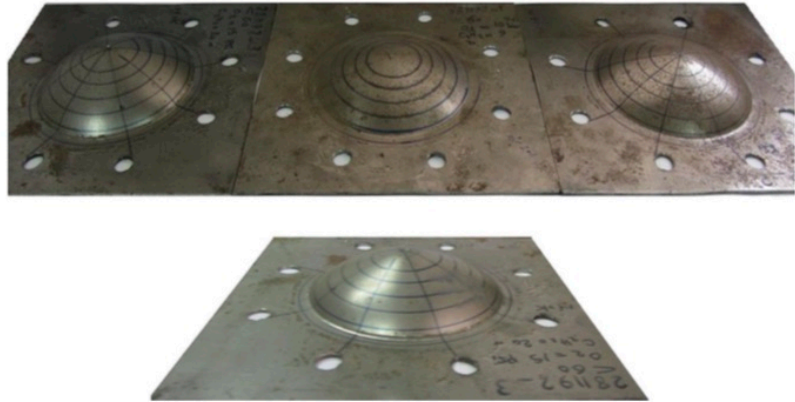


Fig. 3 Photograph of deformed steel plates by using gas mixture detonation

From: Babaei H, Mirzababaie Mostofi T, Alitavoli M, Darvizeh A. Empirical Modelling for Prediction of Large Deformation of Clamped Circular Plates in Gas Detonation Forming Process. *Experimental Techniques*. 2016 Dec 1;40(6):1485-94.

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Biography:

He received his Ph.D. degree in Mechanical Engineering from University of Guilan. He is currently academic staff in the Department of Mechanical Engineering of the University of Guilan. His research interests are modelling using analytical method, neural networks and non-dimensional analyze and experimental investigation in the field of Impact, Blast Dynamics, Material Properties at High Strain Rates, Metals, Composites, Gas Detonation, Penetration and Projectiles.

Selected Publications:

Tohid Mirzababaie Mostofi, Hashem Babaei, Majid Alitavoli, Guoxing Lu and Dong Ruan, "Large transverse deformation of double-layered rectangular plates subjected to gas mixture detonation load", *International Journal of Impact Engineering*, Vol. 125, pp 93-106, March 2019,

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Babaei H, Nariman-Zadeh N, Darvizeh A. A simple modelling method for deflection of circular plates under impulsive loading using dimensionless analysis and singular value decomposition. *Journal of Mechanics*. 2010 Sep 1;26(03):355-61.

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