



Bangalore Yashwanth

Graduate Research Assistant

Department of Mechanical and
Aerospace Engineering



Mr. Bangalore Lingaraj Yashwanth is currently pursuing a PhD in Mechanical Engineering. The objective of his research is to perform

1. Numerically investigate the role of different heating modes such as convection and radiation, in raising the surface temperature of a solid material such as wood to its ignition temperature and the resulting ignition time . A generalized pyrolysis model also known as Gpyro is being used for our study.

2. A parametric study on a chemically active media and the balance between heating modes observing its effects on ignition time, Mass loss rate and Spread rate (2D and 3D analysis).

Prior to joining UAH, he worked as a Senior Support Engineer at CD Adapco INDIA and Hero Moto Corp R & D, where he conducted research in the area of computational combustion.

Contact Information:

University of Alabama in Huntsville
301 Sparkman Drive, Huntsville, AL 35899
by0004@uah.edu; www.uah.edu/mae

RELEVANT PUBLICATIONS:

1. Ankita Sarkar, Yashwanth B. L and S. Sarkar, 2011, Analysis of Blast Induced Intracranial Pressure Dynamics in Cerebrospinal Fluid Leading to Traumatic Brain Injury, International Journal of Emerging Multidisciplinary Fluid Sciences (in press).
2. S.Sarkar and Yashwanth B.L. Study of Self sustained Cavity Oscillations using Large Eddy Simulation (LES), The 37th National and 4th International Conference on Fluid Mechanics and Fluid Power, 2010, PID:555, FMFP10-CF-12.
3. Yashwanth B.L., A.Sarkar and S.Sarkar, Analysis Of Blast Induced Intracranial Pressure Dynamics In Cerebrospinal Fluid Leading To Traumatic Brain Injury, The 37th National and 4th International Conference on Fluid Mechanics and Fluid Power, 2010, PID:571, FMFP10-BN-04.