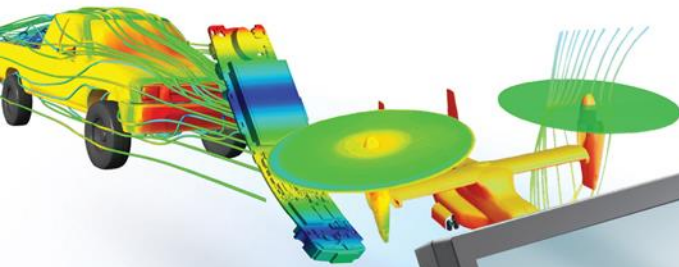




Numerical simulation of combustion in a downdraft biomass boiler



Dr.Ing. Răzvan MAHU
Prof.Dr.Ing. Florin POPESCU
Prof.Dr.Ing. Ion Ion

Biomass-Fueled Boiler

- Forced convection, batch-fueled two-stage small boiler, burning briquette-shaped biomass mixtures
- A highly complex, UDF implemented biomass thermal decomposition model converts biomass components into char, tar and gases used as input for the CFD combustion model

