

# Spray combustion: from single droplet evaporation to turbulence-flame interaction

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Spray combustion processes embrace diverse phenomena which evolve in a multitude of scales. From the heat and mass transfer process on a droplet to the wrinkling of a flame in a turbulent flow, a broad spectrum of interacting phenomena exists. In fact, such a characteristic poses many challenges for modeling approaches. In this talk, an overview about some key aspects of spray combustion modeling is presented and connected with further modeling demands.

