Multiscale modelling of soot formation in reactive turbulent flow

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The first part of the talk will present a detailed particle model for soot and how it can incorporated in a stochastic reactor model. The second part of the talk shall discuss how a system of weighted particles (DQMoM) can be used to close the mean reaction rate in a CFD simulation of a turbulent reactive flow. Results for an isothermal reactive flow will be presented.

Termin: Montag, 28.09.2009, 10:00 Uhr
Ort: Raum ZEU 150a

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