Title: How to add a transport equation to scalarTransportFoam

Instructor: H. Rusche, Wikki Ltd.

Description: The module will start by running the swirlTest tutorial without making any modifications, followed by an examination of source code of scalarTransportFoam to learn more about OpenFOAM from a top-level perspective. We will then modify the application and add a second transport equation to it.

The attendees will require good knowledge of setting up cases, running/modifying tutorial cases as well as a basic understanding of programming/compiling source code.

This module will be hands-on. The attendees will require a laptop with a current OpenFOAM installation or - preferably - be able to boot the conference USB stick.

Duration: 90 minutes

Date and Location: 13 June 2011, Penn State University, State College, PA, USA