



## OpenFOAM®: Two-Day Standard course

**25<sup>th</sup> and 26<sup>th</sup> of September 2018**

Factory 14 756 Burwood Highway, Ferntree Gully, VIC 3156, Australia

### **Description of the course**

Two day standard training in OpenFOAM is designed to enable CFD practitioners to start using OpenFOAM for practical computations. The methodology employed consists of a series of lectures that provide a general understanding of OpenFOAM topics followed by hands-on work. No knowledge of the OpenFOAM library is assumed. Rudimentary Linux commands and their relationship to hands-on examples are explained. This training focuses on the OpenFOAM Foundation version of OpenFOAM.

Participants will be able to use OpenFOAM independently in their daily work after this training.

### **Day 1**

- Introduction
- Overview of Linux commands
- OpenFOAM: A library for Scientific Computing
- Mesh generation, conversion and set-up: importing Fluent meshes,
- Material properties, initial and boundary conditions,
- Running the solver,
- Hand-on examples.

### **Day 2**

- Finite Volume Discretisation: theoretical base of OpenFOAM,
- Field initialisation, post-processing and field probes,
- Hands-on examples,
- Mesh generation with Pointwise,
- Turbulence models and boundary conditions,
- Using OpenFOAM in parallel.

A hard copy of the training notes will be provided. For hands-on examples, attendees will have access to desktop computers with OpenFOAM installed.

There are no special requirements on CFD or programming background.

### **About Applied CCM**

Applied CCM Pty Ltd was founded in 2011 by Dr Darrin Stephens to provide support, development and training for new and existing users to the field of Computational Continuum Mechanics (OpenFOAM and Pointwise). Find out more about Applied CCM at <http://www.appliedccm.com.au>

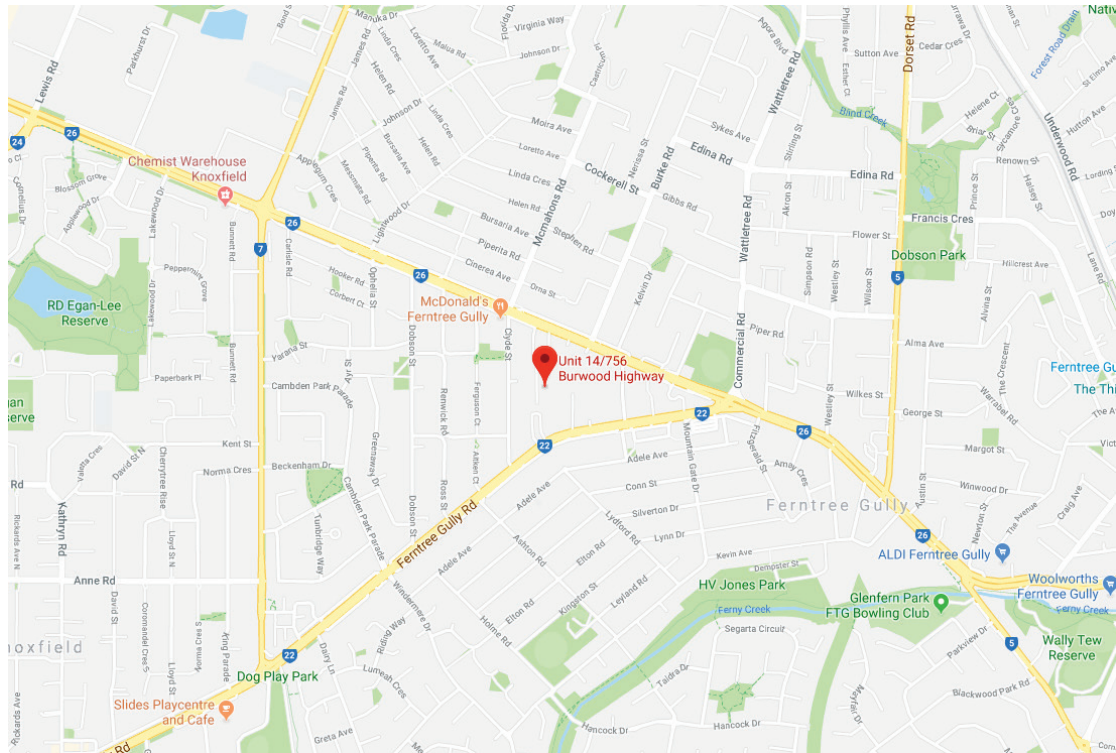
### Price and Registration details:

- Industry: \$1320 inc GST per person.
- Academic: \$880 inc GST per person.
- Student: \$660 inc GST per person.
- Maximum number of attendees: 4
- Lunch and coffee breaks are included.

### Location:

Applied CCM Office

Factory 14 756 Burwood Highway, Ferntree Gully, VIC 3156, Australia



More information about these courses may be found at <http://www.appliedccm.com.au>.

Registrations may be done by e-mail to Darrin Stephens ([d.stephens@appliedccm.com.au](mailto:d.stephens@appliedccm.com.au)), by Phone on +61 3 8376 6962 or via Online registration at <http://www.appliedccm.com.au/training>.

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