

CCP-WSI OpenFOAM Parallel Performance Engineering Workshop

Brunner-Mond Training Suite, UKRI STFC Daresbury Laboratory

Day One: 5th June 2023

<i>Time (British Summer Time GMT+1)</i>	<i>Title</i>	<i>Format</i>	<i>Person</i>
12:00 – 13:00		Lunch	
13:00 – 13:10	<i>Welcome</i>		Stephen Longshaw
13:10 – 14:00	<i>OpenFOAM Fundamentals</i>	Talk	Omar Mahfoze
14:00 – 14:15		Break	
14:15 – 14:45	<i>Introduction to running OpenFOAM on ARCHER2</i>	Talk	Raynold Tan
14:45 – 15:00	<i>The Virtual Training Environment</i>	Talk & Hands-on	Stephen Longshaw
15:00 – 15:30		Break	
15:30 – 16:45	<i>Moving from Serial to Parallel OpenFOAM cases</i>	Talk & Hands-on	Raynold Tan
16:45 – 17:00	<i>Wrap-up day one</i>	Talk & Feedback	Stephen Longshaw

Day Two: 6th June 2023

<i>Time (British Summer Time GMT+1)</i>	<i>Title</i>	<i>Format</i>	<i>Person</i>
09:00 – 09:30		Welcome refreshments	
09:30 – 10:30	<i>Programming Solvers in OpenFOAM</i>	Talk & Hands-on	Wendi Liu
10:30 – 11:00		Break	
11:00 – 12:00	<i>Attendee Support Session</i>	Discussion	All
12:00 – 13:00		Lunch	
13:00 – 14:00	<i>Parallel Programming in OpenFOAM</i>	Talk & Hands-on	Xiaohu Guo
14:00 – 14:30	<i>Dynamic Load Balancing with OpenFOAM</i>	Talk	Xiaohu Guo
14:30 – 14:45		Break	
14:45 – 15:15	<i>OpenFOAM Based Code Coupling</i>	Talk	Stephen Longshaw
15:15 – 15:30	<i>Wrap-up & close</i>	Talk	Stephen Longshaw