

# CCP-WSI OpenFOAM Parallel Performance Engineering Workshop

Brunner-Mond Training Suite, UKRI STFC Daresbury Laboratory

## Day One: 5<sup>th</sup> 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 – 15:00	<i>Introduction to running OpenFOAM on a cluster</i>	Talk & Hands-on	Xiaohu Guo
15:00 – 15:30		Break	
15:30 – 16:45	<i>Moving from Serial to Parallel OpenFOAM cases</i>	Talk & Hands-on	Yiyun Tan
16:45 – 17:00	<i>Wrap-up day one</i>	Talk & Feedback	Stephen Longshaw

## Day Two: 6<sup>th</sup> 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>Parallel Programming in OpenFOAM</i>	Talk & Hands-on	Xiaohu Guo
12:00 – 13:00		Lunch	
13:00 – 13:45	<i>Advanced Topic 1: Dynamic Load Balancing with OpenFOAM</i>	Talk	Xiaohu Guo
13:45 – 14:30	<i>Advanced Topic 2: OpenFOAM Based Code Coupling</i>	Talk	Stephen Longshaw
14:30 – 14:45		Break	
14:45 – 15:20	<i>Attendee Support Session</i>	Discussion	All
15:20 – 15:30	<i>Wrap-up &amp; close</i>	Talk	Stephen Longshaw