



# MultiSim Modelathon

EPSRC Frontier Engineering  
in Multiscale Simulations

An event by EPSRC Frontier Engineering Award

## AGENDA DAYS 2-4

## JOINING INSTRUCTIONS AND ACCOMMODATION INFORMATION

Monday, 17- 20 September 2018

The Diamond, 32 Leavygreave Road, Sheffield S3 7RD

## Modelling competition event details

The event will commence on Day 1 with a symposium where participants will have the opportunity to present their work as a 3-minute presentation. The symposium will be held in Workroom 3 on the second floor of the Diamond.

On the morning of Day 2, the participants will be introduced to the challenges and the data and compute infrastructure. They will have opportunity to familiarise themselves with the infrastructure before the challenges begin.

After lunch on Day 2, the participants will be divided into teams grouped by expertise. The teams will be sent to their allocated workspaces to discuss and start to solve the multiscale modelling challenges.

On the morning of Day 3, the second set of challenges will be issued, building on the results of the challenges from Day 2. The participants will then be regrouped into groups of complementary expertise to address these integration challenges.

Experts will be on hand to answer questions, give advice and provide a focus for ideas. However, each team must independently come up with their own solution strategy.

Oral presentations before a panel of experts will take place on the morning of Day 4. Each team will be allowed 15 minutes for a presentation explaining their strategy, whether successful or not, and 5 minutes will be allocated for questions. The members of the winning team will be presented with a prize.

Day 2	Tuesday, 18 September 2018	
<b>Modelathon Competition</b>		
Computer Room 4, Level 2, The Diamond (all day, except breaks)		
09:00	Welcome	Dr Enrico Dall'Ara, MultiSim Group Leader, University of Sheffield
09:15	Challenge #1 – Introduction	MultiSim organising committee
09:30	Challenge #2 - Introduction	MultiSim organising committee
09:45	Challenge #3 – Introduction	MultiSim organising committee
10:00	Microsoft Azure: A Research Infrastructure	Mark McManus, Cloud Services Business Manager
10:20	How to use the infrastructure	Will Furness and Ben Hughes
10:40	<b>Refreshments</b>	<b>Workroom 1, Ground Floor, The Diamond</b>
11:00	Log in and data retrieval exercise	All
11:30	Familiarisation with infrastructure	
12:00	<b>Lunch</b>	<b>Workroom 1, Ground Floor, The Diamond</b>
13:00	Day 2 expertise groups formed for Day 2 challenges	
15:00	<b>Refreshments</b>	<b>Workroom 1, Ground Floor, The Diamond</b>
15:30	Day 2 challenges	
18:30	<b>Evening Meal and Drinks</b>	<b>Workroom 1, Ground Floor, The Diamond</b>

<b>Day 3</b>		<b>Wednesday, 19 September 2018</b>	
Computer Room 4, Level 2, The Diamond (all day, except breaks)			
<b>09:00</b>	Day 3 challenges explained	Dr Enrico Dall'Ara	
<b>09:15</b>	Complementary expertise groups formed for Day 3 challenges		
<b>10:30</b>	<b>Refreshments</b>	<b>Workroom 3, Level 2, The Diamond</b>	
<b>11:00</b>	Day 3 challenges		
<b>12:00</b>	<b>Lunch</b>	<b>Workroom 3, Level 2, The Diamond</b>	
<b>13:10</b>	Day 3 challenges		
<b>15:00</b>	<b>Refreshments</b>	<b>Workroom 3, Level 2, The Diamond</b>	
<b>15:30</b>	Day 3 challenges		
<b>18:30</b>	<b>Evening Meal &amp; Drinks</b>	<b>Workroom 1, Ground Floor, The Diamond</b>	

<b>Day 4</b>		<b>Thursday, 20 September 2018</b>	
<b>09:00</b>	Finalising presentations	<b>Computer Room 4, Level 2, The Diamond</b>	
<b>Presentations</b>			
Workroom 3, Level 2, The Diamond (rest of day)			
<b>09:30</b>	Introduction to team presentations	Dr Enrico Dall'Ara	
<b>09:40</b>	Team #1 Presentation		
<b>10:00</b>	Team #2 Presentation		
<b>10:20</b>	Team #3 Presentations		
<b>10:40</b>	Team #4 Presentation		
<b>11:00</b>	Team #5 Presentation		
<b>11:20</b>	REFRESHMENTS / Presentation deliberations (Closed Session)	<b>Computer Room 4, Level 2, The Diamond</b>	
<b>11.50</b>	Winners announced!	<b>Workroom 3, Level 2, The Diamond</b>	
<b>12:00</b>	<b>Lunch</b>	<b>Workroom 3, Level 2, The Diamond</b>	
<b>13:00</b>	<b>End</b>		

(Information for Day 1-4 Participants only)

## The Diamond Arrivals & registration DAY 1

### Venue, directions and parking

The Modelathon will be held at The Diamond, which is one of the University of Sheffield's newest venues – a contemporary teaching centre, located close to the city centre.

A detailed map of the location and directions can be found at:

<https://www.sheffield.ac.uk/visitors>

For rooms within the diamond: <https://www.sheffield.ac.uk/diamond/floor-plans>

For car parking visit: <https://www.sheffield.ac.uk/parkingservices>

### Step 1-Registration

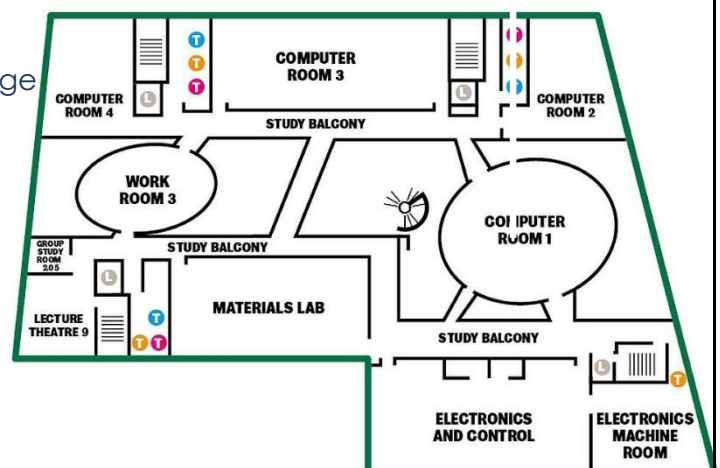
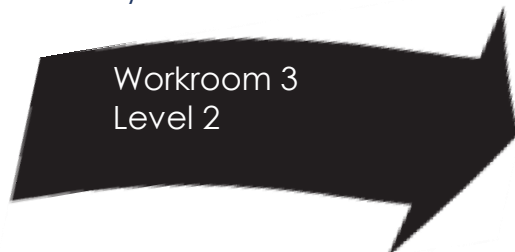
Use the entrance on Leavygreave road. The registration desk is on your right.  
Collect your name badge, visitor badge, and drop off any luggage. **Please do not go directly to Endcliffe Village as your rooms will not be ready. Your luggage will be stored securely and can be collected after the evening meal.**



### Step 2- Registration

Proceed to the Symposium.

N.B. You cannot enter/exit without your visitor badge (External candidates).



**Step 3 Evening dinner & drinks  
instructions for 17 September only**

At 17:30 all please assemble at the event registration desk.

We will walk over to The University Arms for dinner and drinks. Food will be served 18:30 onwards. Dinner on 18 & 19 September will be held at The Diamond (see agenda).

**Step 4 Accommodation check-in, Jonas,  
The Endcliffe Village, Endcliffe Crescent, Sheffield, S10 3ER  
<https://www.jonashotel.co.uk/>**

At 8:15pm on 17 September we will walk back from The University Arms to The Diamond reception, and collect your luggage.

There will be transport at 8:30 pm to take you to Jonas Hotel reception where you will collect your keys for your accommodation.

It is your responsibility to make it from Endcliffe Village to The Diamond on Tuesday & Wednesday. It is a 20 minute walk or you may take the bus (120)

On 20 September there will be transport leaving at 8.30 am from The Jonas reception, please check out and bring your luggage with you.