



Science & Technology Facilities Council

Central Laser Facility

itelli

innovative training and education
for large laser infrastructures

IT-ELLI Training Week July 2018

The CLF will be running an IT-ELLI Training Week course in July 2018. The course will last 1 week and is aimed at providing attendees with some of the skills needed to work on experiments at large laser infrastructures. The course will be based in the CLF's Vulcan and Gemini High Power Laser facilities, but is a good general introductory course for other facilities. The course will comprise a mixture of taught and practical sessions and will include the use of virtual reality tools. Some of the activities that the course will cover include experimental set-up, optical alignment techniques, laser and plasma diagnostics, vacuum and drive system operation, target fabrication and general safety.

Dates for the Training course are
30th July to 3rd August 2018

For further information and to register please contact:
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IT-ELLI Training Week Draft Programme

30th July

Time	Activity
10:30-12:30	Registration, coffee and introduction to the CLF
13:30-15:15	Tour of the CLF
15:30-17:00	Lecture

31st July

Time	Activity
09:00-10:15	Target Area Orientation
10:30-11:45	Lecture: Introduction to Optics
11:45-12:30	Seminar
13:30-15:15	Laboratory
15:30-17:00	Laboratory

1st August

Time	Activity
09:00-10:15	Laboratory or Simulation
10:30-11:45	Laboratory or Simulation
11:45-12:30	Seminar
13:30-15:15	Laboratory or Simulation
15:30-17:00	Laboratory or Simulation

2nd August

Time	Activity
09:00-10:15	Laboratory or Simulation
10:30-11:45	Laboratory or Simulation
11:45-12:30	Seminar
13:30-15:15	Laboratory
15:30-17:00	Laboratory

3rd August

Time	Activity
09:00-10:15	Laboratory
10:30-11:45	Laboratory
11:45-12:30	Seminar
13:30-15:15	Departure

Laboratory Activities: Optical Practical; Beam Alignment to Target; Achromatic Effects; Phase Plates; Parabola alignment

Simulation: OpticStudio (Zemax) Ray Tracing; VR experience.

The seminar series will be given by experts and will cover areas of high power laser science and applications (exact details TBC).

There will be coffee/ tea breaks at 10:15 and 15:15 every day and lunch will be at 12:30.