LASER ARCHITECTURE

\\\\\\ Training Workshop \\\\\\

June 11th to 15th

Programme

Monday (Conference room)

Orientation Presentation	9.00 - 10.30
Coffee break	
Facility Tour	10.50 - 12.00
Lunch	
Lecture – High power/high energy lasers	13.00 - 14.30
Coffee break	
Lecture – High energy amplification of ultra-short pulses	14.50 - 16.20

Tuesday (Conference room)

Lecture – Nonlinear optics and optical parametric amplification	9.00 - 10.00
Lecture – Laser Timing and Synchronization	10.00 - 11.00
Coffee break	
Lecture – Supercontinuum generation	11.20 - 12.20
Lunch	
Lab Rotation	13:20 - 16:50

Wednesday

Lab Rotation	9.00 - 12.30
Lunch	
Lab Rotation	13.30 - 17.00

Thursday (Conference room)

Zemax Tutorial	9.00 - 17.00

Friday

Lab Rotation	9.00 - 12.30
Lunch	
Lab Rotation	13.30 - 17.00
Closing comments (Conference room)	

Lab Rotations

Participants are split into groups of 5 groups of 3 and rotated between lab stations in order to cover one of the 5 key principles shown below. Each rotation will be 3.5 hours in duration.

1) Fourier Optics and principles of beam transport
2) Supercontinuum Generation
3) Short pulse Diagnostics
4) Optical Parametric Chirped Pulse Amplification
5) Laser Design

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