Monday 26th September

8:30	Registration *Tea and coffee with biscuits*	
9:00	Welcome and Admin for the Day	*S. Astbury (CLF)*
9:05	Welcome Announcement	*J. Collier (Director CLF)*
9:15	An Introduction to the Workshop Series	*M. Tolley (CLF)*
9:30-10:30	Session 1 Introduction to Target Fabrication Facilities	*Chair: M. Tolley*
9:30	Target Fabrication Capabilities at LLE	*M. Bonino (LLE)*
9:50	An Overview of Target Fabrication Capabilities at STFC	*C. Spindloe (CLF)*
10:10	Overview of General Atomics and Capabilities for High Rep-Rate Facilities	*P. Fitzsimmons (GA)*
10:30-11:00	Tea and Coffee with Biscuits	
11:00-12:30	Session 1 (Continued) Introduction to Target Fabrication Facilities	*Chair: C Spindloe*
11:00	Target Fabrication Activities at the P3 Platform at ELI-Beamlines	*T. Lastovicka (ELI-BL)*
11:20	AWE Target Fabrication Overview	*Liam Jenvey (AWE)*
11:40	AWE Target Fabrication Trials Manager Process	*B. Foote (AWE)*
12:00	Recent Improvements for the LMJ Targets Fabrication	*F. Durut (CEA)*
12:20-13:15	Lunch – Finger Buffet	
13:15-15:00	Session 2 Low Density Materials Science	*Chair: Sergey Kucheyev*
13:15	Three-dimensional Printing of Foam Targets for Laser-Direct-Drive Implosions	*D. R. Harding (LLE)*

13:35	Material Science at Orion for Target Fabrication	*N. Stubbs (AWE)*
13:55	A New Way to Synthesize Ultra-low Metallic Foams	*F. Durut (CEA)*
14:15	Fabrication of Nanowires and Nanohole Targets for High Power Laser Experiments	*S. Ionescu (ELI-NP)*
14:35	Improved Dispersion of Nanoparticles via Surface Functionalisation	*S. Irving (CLF)*
15:00-15:30	Tea and Coffee with Biscuits	
15:30-16:30	Session 3 Microfabrication and Characterisation	*Chair: Gabriel Schaumann*
15:30	Microtarget Fabrication Using Sputtering for High Power Laser Applications: Simulations and Deposition through a Mask	*D. Chemate (TIFR, Hyderabad)*
15:50	X-ray fluorescence for characterization of thin metal film coatings on flexible polyimide substrate	*M. Arya (TIFR, Hyderabad)*
16:10	Characterisation of Thin Topography Using Optical Transmission	*N. Jadhav (TIFR, Hyderabad)*
16:30	Day 1 - Closing Remarks	

Tuesday 27th September

8:30	Tea and Coffee with Biscuits	
8:55	Welcome and Admin for the Day	*S. Astbury*
9:00	Session 4 Liquid Targetry	*Chair: David Harding*
9:00	Automation and optimisation of high-repetition rate laser-driven proton acceleration	*C. Palmer (QUB)*
9:25	Liquid Leaf Target for High Repetition Rate Laser-ion Acceleration Experiments	*D. Hofmann (TUD)*
9:50	KHz-rate Dynamical Target Shaping for High Intensity LPI	*A. K. Patnaik (AFIT)*
10:15	In-air Microstructure Assembly	*A. Ward (CLF)*
10:40-11:10	Tea and Coffee with Biscuits	

11:10-12:30	Session 5 Automation in Target Assembly and Fabrication	*Chair: Suhas Bhandarkar*
11:10	Targetry Automation	*C. Bläser (TUD)*
11:30	Automated Target Alignment Station for Medium Repetition Rate Targetry	*P. Lutz (Focussed Energy)*
11:50	Automation of Target Fabrication Processes at the CLF	*C. Gardner (CLF)*
12:10	IPFL – Bespoke Plastic Parts	*A. Bloomfield (IPFL)*
12:30-13:30	Lunch – Finger Buffet	
	Session 6 High Rep Rate 1	*Chair: Nigel Martin*
13:30	Development of Targetry for High Rep-Rate Experiments on EPAC	*S. Astbury (CLF)*
13:50	Development of High Repetition Rate Targets Systems for Ion Acceleration with Lasers	*M. Füle (U. of Szeged)*
14:10	Investigation of the Micromachining of Micro through-hole on Thin Stainless Steel by an Optical and Conventional Approach	*A. Ibrahim (TIFR, Mumbai)*
14:30	Time-resolved Imaging of Material Ablated by Ultrashort Laser Pulses	*N. Schott (TUD)*
14:50	Day 2 – Closing Remarks	
15:00-15:30	Tea and Coffee with Biscuits	
15:30-17:00	Session 7 Poster Session	
18:00-21:00	Conference Dinner – Museum of Natural History	

Wednesday 28th September

9:00	Tea and Coffee with Biscuits	
9:15	Welcome and Admin for the Day	*S. Astbury*
9:20-10:30	Session 8 IFE Targetry	*Chair: Paul Fitzsimmons*
9:20	Overview of LLNL Target Fabrication Technology Development Projects for HED and ICF Targets	*S. Bhandarkar (LLNL)*
9:50	Technologies for Mass Producing Inertial Fusion Energy Targets and Determining their Survival in an IFE Chamber	*D. R. Harding (LLE)*
10:10	Recent Developments in Plasma-Assisted Deposition for Laser Targets and LLNL	*S. O. Kucheyev (LLNL)*
10:30-11:00	Tea and Coffee with Biscuits	
11:00-12:30	Session 9 High Rep Rate 2	*Chair: Mark Bonino*
11:00	Cryogenic Hydrogen Ribbon for Laser Driven Proton Acceleration at Hz-Level Repetition Rate	*T. Chagovets (ELI-BL)*
11:20	Automated Characterisation of Debris Impacts in Laser-Matter Experiments Using Image Processing and Sensor Fusion	*S. Pietzsch (TUD)*
11:40	TBC	*Tim Böttcher (FE)*
12:00	Discussion and Future Workshops	*All*
12:15-13:15	Lunch	