

Monday 7th April



08:30	Registration - Tea and Coffee with Biscuits - Shulman Auditorium Foyer	
09:00	Admin for the Day	<i>P. Ariyathilaka - CLF</i>
09:05	Welcome	<i>J. Collier - CLF</i>
09:10	An Introduction to the Workshop Series	<i>J. Schreiber and C. Spindloe - LMU and CLF</i>
9:20-10:55	Session 1 Update on Target Fabrication Facilities	
09:20	Plenary: Target Fabrication after Ignition	<i>M. Stadermann - LLNL</i>
10:05	Overview and recent improvements for the LMJ target fabrication	<i>M.A. Lagache - CEA</i>
10:30	Focused Energy Target Laboratory	<i>M. Hesse - Focused Energy</i>
10:55-11:25	Tea and Coffee with Biscuits - Dining Hall	
11:25-12:30	Session 1 (Continued) Update on Target Fabrication Facilities	
11:25	Overview of Inertial Fusion Energy at General Atomics; the challenges, innovations, and advancements in target manufacturing	<i>P. Fitzsimmons - GA</i>
11:45	Targets and laser ion acceleration results at Peking University	<i>W. Ma - Peking University</i>
12:05	Update on the Target Fabrication challenges in the Central Laser Facility	<i>C. Spindloe - CLF</i>
12:30-13:30	Lunch - Dining Hall	
13:30-14:30	Session 2 Structured Surfaces I	

13:30	Target architectures based on silicon nanostructures and solid-state, non-cryogenic fuels for short-pulse laser-driven inertial fusion energy research	<i>I. Minguez-Bacho - Marvel Fusion</i>
13:50	Plasma polymerized hexane nanoparticles as target for laser-driven ion acceleration	<i>M. Tosca - ELI</i>
14:10	Laser polishing of TMPTA films using MHz and GHz bursts of ultrashort laser pulses	<i>N. Schott - Technische Universität Darmstadt</i>
14:30-15:00	Tea and Coffee with Biscuits - Dining Hall	
15:00-16:30	Session 2 (Continued) Structured Surfaces II	
15:00	Intense laser interaction with micro bars	<i>M. Elkind - Tel Aviv University</i>
15:20	Enhanced proton acceleration from ultrathin double-foil target with circularly polarized laser pulses	<i>J. Bin - Shanghai Institute of Optics and Fine Mechanics</i>
15:40	Optimization of LIFT-Fabricated Carbon Targets / flyers	<i>A. Palla-Papavlu - National Institute for Lasers, Plasma, Romania</i>
16:00	Advanced Target Fabrication @ NanoLab	<i>M. S. Galli De Magistris - Politecnico di Milano</i>
16:30	End of Day	

Tuesday 8th April



08:30	Tea and Coffee with Biscuits - Shulman Auditorium Foyer	
08:55	Admin for the Day	<i>P. Ariyathilaka - CLF</i>
09:00-10:30	Session 3 High Rep Rate Targetry	
09:00	HED/HIBEF target fabrication and delivery for high repetition rate experiments with the DiPOLE 100X laser	<i>C. Strohm - DESY</i>
09:30	Multi-Hertz laser-driven proton source based on a target wheel assembly and its use for Carbon-11 production	<i>A. Alejo - USC, Spain</i>
09:50	Tape Drive development at CLF	<i>S. Astbury - CLF</i>
10:10	Development of novel tape drive targets for use in High Repetition Rate XFEL experiments	<i>AM. Norton - York University</i>
10:30-11:00	Tea and Coffee with Biscuits - Dining Hall	
11:00-12:30	Session 4 Liquid targetry I	
11:00	Implementation and Insights from a Liquid Leaf Target System used at the JETI100 Laser System in Jena	<i>T. Seupel - Technische Universität Darmstadt</i>
11:20	PLANET: Target development for a new and innovative Laser-Driven Radiation Source	<i>M. Berasategui - Focused Energy</i>
11:40	Ultra-thin liquid sheet targets for laser-plasma interaction	<i>Z. Peng - Peking University</i>
12:00	Liquid sheet and combined solid-gas targets for low divergence protons	<i>P. Parsons - Queens University Belfast</i>
12:20	Conference Activity Information	
12:30-13:30	Lunch - Dining Hall	
13:30-15:00	Session 4 (Continued) Liquid Targetry II	

13:30	High Repetition Rate Laser-Ion Acceleration from Liquid Leaf Target at the Centre for Advanced Laser Applications (CALA)	<i>M. Bachhammer - LMU</i>
13:50	Characterisation and stabilization of an ultrathin liquid leaf for laser plasma ion acceleration at 1kHz	<i>K. Osvay - National Laser-Initiated Transmutation Laboratory, Hungary</i>
14:10	Relativistic high-harmonic generation from liquid-leaf targets at kHz rate	<i>A. Cavagna - Laboratoire d'Optique Appliquée</i>
14:30	X-ray production from high intensity mid-IR laser interactions with thin liquid sheet target in air	<i>M. Eder - Department of Physics, Ohio State University</i>
15:00-15:30	Tea and Coffee with Biscuits - Dining Hall	
15:30 -17:00	Conference Activity - TBD	

Wednesday 9th April



09:00	Tea and Coffee with Biscuits - Shulman Auditorium Foyer	
09:15	Admin for the Day	<i>P. Ariyathilaka - CLF</i>
09:20-10:30	Session 5 Low Density Materials I	
09:20	Microfluidic emulsion templating – new opportunities for target-relevant foam synthesis	<i>T. Moore - AWE</i>
09:40	Status of the Foam Synthesis at Focused Energy for the Fabrication of Foam-lined Targets	<i>J. Kurzschengel - Focused Energy</i>
10:00	Observation of the laser-induced evolution of the microstructures of proton-heated foam using Talbot X-ray interferometry	<i>A. Martynenko - GSI</i>
10:30-11:00	Tea and Coffee with Biscuits - Dining Hall	
11:00-12:30	Session 5 (Continued) Low Density Materials II	
11:00	Two-photon Polymerization Printing at the Laboratory for Laser Energetics	<i>S. Fess - Rochester</i>
11:20	Two-Photon Polymerization for Proton Fast Ignition Foam Target Fabrication	<i>F. Christ - Technische Universität Darmstadt</i>
11:40	Advancements in Laser Fusion Targets: High-Precision Shells Enabled by Two-Photon Grayscale Lithography (2GL®)	<i>A. Bertocini - Nanoscribe</i>
12:00	Template based fabrication of metal foam targets	<i>E. Reynolds - CLF</i>
12:30-13:30	Lunch - Dining Hall	
13:30-15:00	Session 6 Characterisation	
13:30	The importance of understanding the experiment when deciding characterisation techniques	<i>R. Sealey - AWE</i>

13:50	Target Characterization at the Laboratory for Laser Energetics	<i>M. Bonino - LLE</i>
14:10	Metrology for laser-driven secondary sources and mitigation of debris when using Tape Targets at 1Hz	<i>M. Ehret - ELI</i>
14:30	Group Photo - Location TBD	
14:30-15:00	Tea and Coffee with Biscuits - Dining Hall	
15:00-16:20	Session 7 Target Assembly and Automation	
15:00	Overview and perspectives for LMJ target assembly	<i>N. Piot - CEA</i>
15:20	Production and Automated Alignment of spherically shaped Targets for Proton Focusing Experiments	<i>T. Bauer - Focused Energy</i>
15:40	Targetry Automation Part 1: Target Deployment System (TDS)	<i>C. Blaser - Technische Universität Darmstadt</i>
16:00	Targetry Automation Part 2 – Target Inserter	<i>O. Rothermel - Focused Energy</i>
16:20	End of Day	
18:00-21:00	Conference Dinner - The Oxford Town Hall	

Thursday 10th April



09:00	Tea and Coffee with Biscuits - Shulman Auditorium Foyer	
09:15-10:45	Poster Session - Memorial Room	
10:30:11:00	Tea and Coffee with Biscuits - Dining Hall	
11:00-12:30	Session 8 ICF and IFE Targetry	
11:00	Development of next-generation ablator and hohlraum materials for inertial confinement fusion targets	<i>S. Kucheyev - LLNL</i>
11:30	GDP capsules for laser experiments on the LMJ facility	<i>S. Le Tacon - CEA</i>
12:00	Characterization of the production process of shell targets	<i>M. Hartmann - Focused Energy</i>
12:30-13:30	Lunch - Dining Hall	
13:30-15:00	Session 9 Cryogenic Targets	
13:30	Cryogenic target system for laser fusion and high density plasma experiments	<i>T. Sugimoto - EX-Fusion Inc</i>
13:50	LMJ Inertial Confinement Fusion cryogenic targets latest developments	<i>M. Lagache - CEA</i>
14:10	Experimental platform for cryogenic liquid jets at the high-energy density instrument of European XFEL	<i>S. Goede -XFEL</i>
14:30	Scaling up repetition rate in laser ion acceleration experiments with cryogenic gas jet targets	<i>S. Assenbaum - HZDR</i>

15:00-15:30	Tea and Coffee with Biscuits - Dining Hall	
15:30-16:30	Session 10 Computation and Data	
15:30	Investigating particle acceleration and radiation generation from micro-structured targets in ultra-short pulse, ultra-high intensity laser-solid interaction	<i>J. Metzkes - HZDR</i>
15:50	Protons photoinjector added to an ICS X source	<i>G. Turchetti - University of Bologna</i>
16:10	Final Discussion and Close	