

FEL-Based Light Sources -- Room F113

	Monday, March 5th	Tuesday, March 6th	Wednesday, March 7th	Thursday, March 8th	Friday, March 9th
7:30	Registration				
8:00	Chair: Gwyn Williams	Chair: Joe Bisognano	Chair: Allen Gillespie	Chair: Bob Rimmer	Chair: Fay Hannon
8:30	Welcome and Opening Remarks	Cai (SLAC) - Future Synchrotron Light Sources Based on Ultimate Storage Rings	Evtushenko (JLab) - Diagnostics Needs for Future Light Sources	Winick (SLAC) - Genesis of the LCLS	Summary on Storage Ring Working Group
8:35					Brock (Cornell) - Summary of XDL2011 Workshop - Science at the Hard X-ray Diffraction Limit
8:45	Durr (SLAC) - How Do We Control Electrons & Spins on the Nanoscale?	Huang (SLAC) - R&D Towards Brighter X-ray FELs	Graves (MIT) - Intense Super-Radiant X-rays from a Compact Source	Bischofberger (LANL) - Staged Eigen-Emitance Reduction Techniques	
8:50					Yampolsky (LANL) - Dynamics of Modulated Beams
8:55	Coffee Break				
9:00	Chair: Mike Klopf				Chair: Michelle Shinn
9:05	Weierstall (Univ. of AZ) - X-ray Lasers for Structural and Dynamic Biology	Lindberg (ANL) - Fully Coherent Hard X-ray FELs	XFELo	Theory	Summary on Undulator Working Group
9:10					Roper (Daresbury) - Soft X-Ray Optics and Beamlines for Next Generation Light Sources
9:15	Heimann (SLAC) - X-ray Free Electron Laser (FEL) Beamline Challenges	Couprie (SOLEIL) - Some Recent Insertion Devices on Operating Third and Fourth Generation Light Sources	Park (U Chicago) - XFELo Cavity Design with an Asymmetric Crystal	Marksteiner (LANL) - Enhanced Harmonic Up-Conversion using a Hybrid HGHG-EEHG Scheme	
9:20					Park (U Chicago) - The Effects of Mirror Surface Errors in XFELo Cavity
9:25	Lunch				
9:30	Soft X-Ray FELs	Hard X-Ray FELs	Joint Session with ERL XFELo F113	Test Facilities and Design Concepts	
9:35					
9:40	Couprie (SOLEIL) - The LUNEXS Project in France	Wu (SLAC) - Simulations of the Hard X-Ray Self-Seeding Experiment at LCLS	Sakanaka (KEK) - Status of the ERL-Based Light Source Project in Japan	Kim (IAC/ISU/JLab) - Performance Comparison of S-Band, C-Band, and X-Band Based FEL Facilities	
9:45	Corlett (LBNL) - LBNL Studies for a Next Generation Light Source FEL Facility	Jiao (SLAC) - Modeling and Multi-Dimensional Optimization of a Tapered Free Electron Laser	Coffee Break	Roper (Daresbury) - Modelling the Photon Transport System of the ALICE FEL using Wavefront Propagation	
9:50	Coffee Break				Coffee Break
9:55	Soft X-Ray FELs	Hard X-Ray FELs	Jefferson Lab Tour	Test Facilities and Design Concepts	
10:00					
10:05	Hemsing (SLAC) - Experimental Path to Echo-75 at NLCTA	Sun (SLAC) - Compact Hard X-Ray FEL Design Based on an X-Band RF Linac		Sun (SLAC) - Preliminary Study on Two Possible Bunch Compression Schemes at NLCTA	
10:10		Wu (SLAC) - Tolerances for Seeded Free Electron Lasers		Hemsing (SLAC) - Enabled by Echo: EEHG etc at NLCTA	
10:15					Zholents (ANL) - Dielectric Wakefield and FEL
10:20	Networking Reception				