

**Future Light Sources 2012 Workshop -- Tuesday, March 6**

Compact Light Sources Room F224/F225	ERL-Based Light Sources Room A110	Electron Sources Room F326/327	FEL-Based Light Sources Room F113	Storage Ring Light Sources Room L102/L104	Timing and Diagnostics Room F226	Undulators and Insertions Room L207
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Registration, Continental Breakfast  
Chair: Joe Bisognano

Cai (SLAC) - Future Synchrotron Light Sources Based on Ultimate Storage Rings

Bazarov (CLASSE/Cornell) - Overview of ERL R&D towards Coherent X-Ray Source

Huang (SLAC) - R&D Towards Brighter X-ray FELs

Coffee Break

Chair: Nobuyuki Nishimori

Lindberg (ANL) - Fully Coherent Hard X-ray FELs

Bazarov (CLASSE/Cornell) - Overview of Photoinjectors for Future Light Sources

Couprie (SOLEIL) - Some Recent Insertion Devices on Operating Third and Fourth Generation Light Sources

Lunch

Compact	ERL	Electron Sources	FEL	Storage Rings	Diagnostics	Undulators
<b>Joint Session with Undulators F224/225</b>  Travish (UCLA) - An Optical-Scale Period Undulator for Hard X-Ray Production from Compact Devices?  Maier (MPQ) - Bandwidth-Stabilized Soft X-Ray Pulses from a Laser-Plasma Driven Undulator  Discussion	Shimada (KEK) - The X-ray light source by the inverse Compton scattering of CSR  Sakai (KEK) - ERL cryomodule development in Japan	Krasilnikov (DESY) - Emittance Optimization at PITZ for FLASH and XFEL  Corlett (LBNL) - Status of the APEX Facility at LBNL  Militsyn (ASTEC) - Ultra High Brightness Photoinjector for EBTF/CLARA Facility at Daresbury  Discussion needs to be done for NCRF guns	<b>Hard X-Ray FELs</b>  Huang (SLAC) - Overview  Wu (SLAC) - Simulations of the Hard X-Ray Self-Seeding Experiment at LCLS  Jiao (SLAC) - Modeling and Multi-Dimensional Optimization of a Tapered Free Electron Laser  Raubenheimer (SLAC) - LCLS-2 Terawatt Options	<b>Low Emittance</b>  Guo (BNL) - Low Emittance with Bumps  Franchi (ESRF) - Low Coupling at ESRF  Safranek (SLAC) - Nonlinear Studies at SPEAR III	Unscheduled	<b>Joint Session with Compact Sources: F224/225</b>  Travish (UCLA) - An Optical-Scale Period Undulator for Hard X-Ray Production from Compact Devices?  Maier (MPQ) - Bandwidth-Stabilized Soft X-Ray Pulses from a Laser-Plasma Driven Undulator  Discussion

Coffee Break

<b>Joint Session with Undulators F224/225</b>  Arnold (Florida) - Micro-Manufacturing Technologies for Sub-Millimeter Magnetic Undulators  Couprie (SOLEIL) - The LUNEX5 Project in France  Discussion	<b>Joint session with Storage Rings: L102/104</b>  Steier (LBNL) - Comparison and Synergies, Synchrotron vs ERL  Bazarov (Cornell) - Comparison and Synergies, Synchrotron vs ERL	Teichert (HZDR) - Status and Future Plans for the SRF Gun at ELBE  Legg (Wisconsin/Jlab) - Status of the Wisconsin SRF Gun  Discussion - needs to be done for SRF guns	<b>Hard X-Ray FELs</b>  Carlsen (LANL) - The Proposed MaRIE X-Ray Free Electron Laser at Los Alamos  Sun (SLAC) - Compact Hard X-Ray FEL Design Based on an X-Band RF Linac  Wu (SLAC) - Tolerances for Seeded Free Electron Lasers	<b>Joint session with ERL L102/104</b>  Steier (LBNL) - Comparison and Synergies, Synchrotron vs ERL  Bazarov (Cornell) - Comparison and Synergies, Synchrotron vs ERL	Unscheduled	<b>Joint Session with Compact Sources: F224/225</b>  Arnold (Florida) - Micro-Manufacturing Technologies for Sub-Millimeter Magnetic Undulators  Couprie (SOLEIL) - The LUNEX5 Project in France  Discussion
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