

**Future Light Sources 2012 Workshop -- Monday, March 5**

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

7:30  
8:00  
  
8:30  
8:35  
8:40  
8:45  
8:50  
8:55  
9:00  
9:05  
9:10  
9:15  
9:20  
9:25  
9:30  
9:35  
9:40  
9:45  
9:50  
9:55  
10:00  
10:05  
10:10  
10:15  
10:20  
10:25  
10:30  
10:35  
10:40  
  
10:45  
10:50  
10:55  
11:00  
11:05  
11:10  
11:15  
11:20  
11:25  
11:30  
11:35  
11:40  
11:45  
11:50  
11:55  
12:00  
12:05  
12:10  
12:15  
12:20  
12:25  
12:30  
12:35  
13:55  
  
14:00  
14:05  
14:10  
14:15  
14:20  
14:25  
14:30  
14:35  
14:40  
14:45  
14:50  
14:55  
15:00  
15:05  
15:10  
15:15  
15:20  
15:25  
15:30  
15:35  
15:40  
15:45  
15:50  
15:55  
16:00  
16:05  
16:10  
16:15  
16:20  
16:25  
16:30  
16:35  
16:40  
16:45  
16:50  
16:55  
17:00  
17:05  
17:10  
17:15  
17:20  
17:25  
17:30  
17:35  
17:40  
17:45  
17:50  
17:55  
18:00  
18:05  
18:10  
18:15  
18:20  
18:25  
18:30  
18:35  
18:40  
18:45  
18:50  
18:55  
19:00  
19:05  
19:10  
19:15  
19:20  
19:25  
19:30  
19:35  
19:40  
19:45  
19:50  
19:55  
20:00  
20:05  
20:10  
20:15  
20:20  
20:25  
20:30  
20:35  
20:40  
20:45  
20:50  
20:55  
21:00  
21:05  
21:10  
21:15  
21:20  
21:25  
21:30  
21:35  
21:40  
21:45  
21:50  
21:55  
22:00  
22:05  
22:10  
22:15  
22:20  
22:25  
22:30  
22:35  
22:40  
22:45  
22:50  
22:55  
23:00  
23:05  
23:10  
23:15  
23:20  
23:25  
23:30  
23:35  
23:40  
23:45  
23:50  
23:55  
24:00

**Registration**

Chair: Gwyn Williams

Welcome and Opening Remarks

Brock (Cornell) - Summary of XDL2011 Workshop - Science at the Hard X-ray Diffraction Limit

Durr (SLAC) - How Do We Control Electrons & Spins on the Nanoscale?

**Coffee Break**

Chair: Mike Klopf

Weierstall (Univ. of AZ) - X-ray Lasers for Structural and Dynamic Biology

Roper (Daresbury) - Soft X-Ray Optics and Beamlines for Next Generation Light Sources

Heimann (SLAC) - X-ray Free Electron Laser (FEL) Beamline Challenges

**Lunch**

Compact	ERL	Electron Sources	FEL	Storage Rings	Diagnostics	Undulators
---------	-----	------------------	-----	---------------	-------------	------------

14:00 Introductions and Organizational Discussion 14:10 14:15 14:20 Moncton (MIT) - Will Size Define a New Generation of Light Sources? 14:25 14:30 14:35 14:40 14:45 14:50 Thevuthasan (PNNL) - Science at PNNL with a Compact Light Source 14:55 15:00 15:05 15:10 15:15	Douglas (JLab) - JLab Status/News  Smith (STFC) - ALICE Status/News  Discussion	Kamps/Hernandez-Garcia - Intro to WG  Hernandez-Garcia (Jlab) - Summary of FLS 2010 and P3  Kamps (HZB) - Requirements from ERL and FEL Type Future Light Sources	<b>Soft X-Ray FELs</b>  Walker (Diamond) - Overview Couprie (SOLEIL) - The LUNEX5 Project in France Corlett (LBNL) - LBNL Studies for a Next Generation Light Source FEL Facility	<b>Low Emittance</b>  Yang (BNL) - MOGA approaches  Bengtsson (BNL) - Deterministic approaches  Huang (SLAC) - Lattice Modeling for a Storage Ring with Magnetic Field Data	Unscheduled	Benson (JLab) - Introduction, Working Group Charge, JLab  Clarke (Daresbury) - Status of the UK Superconducting Undulator Studies  Bisognano (Wisconsin) - Short Period Undulators for FELs Workshop
--	---	---	---	---	-------------	--

**Coffee Break**

15:45 15:50 Chouffani (IAC) - Hybrid K-Edge Densitometry Experiments with Laser-Compton Scattering X-Rays 15:55 16:00 16:05 16:10 16:15 16:20 16:25 16:30 16:35 16:40 16:45 16:50 16:55 17:00 17:05 17:10 17:15 17:20 17:25 17:30 17:35 17:40 17:45 17:50 17:55 18:00 18:05 18:10 18:15 18:20 18:25 18:30 18:35 18:40 18:45 18:50 18:55 19:00 19:05 19:10 19:15 19:20 19:25 19:30 19:35 19:40 19:45 19:50 19:55 20:00 20:05 20:10 20:15 20:20 20:25 20:30 20:35 20:40 20:45 20:50 20:55 21:00 21:05 21:10 21:15 21:20 21:25 21:30 21:35 21:40 21:45 21:50 21:55 22:00 22:05 22:10 22:15 22:20 22:25 22:30 22:35 22:40 22:45 22:50 22:55 23:00 23:05 23:10 23:15 23:20 23:25 23:30 23:35 23:40 23:45 23:50 23:55 24:00	Sakanaka (KEK) - KEK Status/News  Jankowiak (HZB) - HZB Status/News  Discussion	Discussion - Open floor to address charge requested by organizing committee	<b>Soft X-Ray FELs</b>  Heimann (SLAC) - A Soft X-Ray Self-Seeding Experiment Hemsing (SLAC) - Experimental Path to Echo-75 at NLCTA	<b>Low Emittance</b>  Guo (BNL) - Ultra Low Emittance Design Franchi (ESRF) - Low Emittance with Solenoids Sjoestroem (MAX-IV) - MAX-IV	Unscheduled	Nuhn (SLAC) - Delta R&D Project in SLAC  Couprie (SOLEIL) - Insertion Device Activities at SOLEIL  Discussion
--	---	---	---	---	-------------	---