- 1. Discuss and further refine the science case for DLSRs.
- 2. Define the range of machine parameters for the science case.
- 3. Discuss the issues, challenges and proposed solutions for DLSR accelerators.
- 4. Work to define a technology roadmap photon beam lines
 - i.e. R&D for optics, detectors, sample handling, DAQ, simulation data storage, accelerator technology, etc.
- 5. Provide session summary presentations (session Chairmen)

SLAC DLSR Workshop: Agenda

9 December

8:15 - 8:30 - 8:15 Welcome C-C. Kao 8:15 - 8:30 Workshop goals R. Hettel 8:30 - 9:00 Science Opportunities - New Techniques and Methods (Redwood Rooms, Bidg. 48) 9:00 - 9:30 Science Opportunities - Service		Welcom	e and Introductions	- Plenary Ses	sion (Kavli Auditorium Bldg. 51)				
8:30 – 9:00 Science Opportunities – Hard X-rays F. Sette 9:00 – 9:30 Science Opportunities – Soft X-rays S. Kevan 9:30 – 10:00 DLSR Design – Parameter trade-offs M. Borland 10:00 – 10:20 10:20 – 10:40 MAX-IV Update M. Eriksson 11:00 – 11:00 ESRF Upgrade Plans P. Raimondi 11:00 – 11:00 APS-U Plans B. Stephenson 11:20 – 11:40 Sirius Update L. Lin 11:40 – 12:00 Spring-8 Plans J. Usnag 12:20 – 12:20 BAPS Plans J. I. Ishikawa 12:20 – 12:20 BAPS Plans J. Usnag 12:20 – 12:20 BAPS Plans J. Usnag 12:40 – 1:45 Overview of API Ssues Facing DLSR Accelerator Physics Aspects of Component Design (Redwood Rooms, Bidg. 48) 1:45 – 2:15 Overview of API Ssues Facing DLSR APS-U. M. Borland CesRe: P. Raimond Gaestions from Lab Representatives Sirius; L. Lin 2:15 – 3:30 Short Presentations on API ssues and Questions from Lab Representatives Sirius; L. Lin Spring-8: H. Tanaka Others 3:30 – 3:45 Short Presentations on API ssues and Special Modes (shot bunch, timing modes, etc.) 3:45 – 4:45 Special Modes (shot bunch, timing modes, etc.) Joint Sessions: Accelerator and Photon Science (Kavli Auditorium Bldg. 51)	8:00 - 8:15	Welcome	C-C. Kao						
9:30 – 10:00 DLSR Design – Parameter trade-offs M. Borland 10:00 – 10:20 10:20 – 10:40 10:40 – 11:00	8:15 - 8:30		R. Hettel						
9:30 - 10:00 DLSR Design - Parameter trade-offs M. Borland (ALS) 10:00 - 10:20 MAX-IV Update M. Eriksson P. Raimondi 11:00 - 11:20 APS-U Plans B. Stephenson Chair: H. Tanaka (SPring-8) 12:20 - 12:40 ALS-II Plans D. Robin (ALS) Accelerator Session 1: Accelerator Physics Aspects of Component Design APS-U M. Borland Chair: Accelerator Session 1: Accelerator Physics Aspects of Component Design MAX-IV Update H. Tanaka (SPring-8) 12:20 - 12:40 ALS-II Plans D. Robin (ALS) New Techniques and Methods (Redwood Rooms, Bidg. 48) New Techniques and Methods (Redwood Rooms, Bi	8:30 - 9:00	Science Opportunities – Hard X-rays	F. Sette				Chair D Falsana		
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10:40 - 11:00 ESRF Upgrade Plans	10:00 - 10:20		~	Photo and	d Coffee Break ~~~~		•		
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11:20 – 11:40 Sirius Update I. Lin 11:40 – 12:00 Spring-8 Plans T. Ishikawa 12:00 – 12:20 BAPS Plans J. Wang 12:20 – 12:40 ALS-II Plans C. Steler 12:40 – 1:45 Lattice and Component Design 2:15 – 3:30 Short Presentations on AP Issues and Questions from Lab Representatives 3:30 – 3:45 Short Presentations on AP Issues and Others 3:45 – 4:45 Short Presentations on AP Issues and Special Modes (short bunch, timing modes, etc.) 4:45 – 5:30 Discussion, Future Topics 1:20 – 11:40 Spring-8 Plans T. Ishikawa 1. Ishikawa 1. Ishikawa J. Wang Ishikawa J. Wang	10:40 - 11:00	ESRF Upgrade Plans	P. Raimondi	1					
11:40 – 12:00 Spring-8 Plans T. Ishikawa J. Wang SPring-8 J. Wang T. Ishikawa J. Wang	11:00 - 11:20	APS-U Plans	B. Stephenson				Chair:		
12:00 – 12:20 BAPS Plans J. Wang 12:20 – 12:40 ALS-II Plans C. Steier 12:40 – 12:45	11:20 - 11:40	Sirius Update	L. Lin				H. Tanaka		
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Joint Sessions: Accelerator and Photon Science (Kavli Auditorium Bldg. 51)	3:45 – 4:45	Special Modes (short bunch, timing modes,	Harm Cav: J. Byrd						
CON LUI- Julius - Disserting Bland - North - N	4:45 - 5:30	Discussion, Future Topics			Discussion, Future Topics				
5:30 Updates on Discussions, Plans for Next Day Chair: TRD	Joint Sessions: Accelerator and Photon Science (Kavli Auditorium Bldg. 51)								
Cliail, IDD	5:30	Updates on Discussions, Plans for Next Day					Chair: TBD		

SLAC DLSR Workshop: Agenda – cont.

10 December

	Accelerator Session 2: Magne (Redwood Rooms, Bidg.				Photon Section 2: Sample and (Redwood Rooms, Bid		
8:00 - 8:30	Overview of Magnet Design Issues	J. Chavanne (ESRF)		8:00 - 8:30	Overview of Minimum Does Issues	P. Fuoss (AP8)	
8:30 - 10:00	Short Presentations on Magnet Design Issues from Lab Representatives	MAX-IV: D. Einfeld AP8-U: G. Decker Sirlus: R. Neuenschwander SPring-S: H. Tanaka AL8-II: H. Tarwaneh Others	Chair: M. Eriksson	8:30 - 10:00	Short Presentations/Discussion on Minimum Doses Needed to Get Reasonable Data		Chair: P. Fuoss (AP8)
10:00 - 10:30				Coffee Break	_		
10:30 - 11:45	Presentations, Discussion, Future Topics	Others					Chair
	Accelerator Session 3: Vacuum Ci (Redwood Rooms, Bidg.			10:30 - 12:15	Short Presentations/Discussion on Radiation Damage		P. Fuoss (AP8)
11:45 - 12:15	Overview of Vacuum Design Issues	H. Cease (AP8)					
12:15 - 1:30		-	Lunch (Rec	twood Rooms, Blo	ig. 48)		
		MAX-IV: D. Einfeld ESRF: J-R. Revol Sirius: R. Neuenschwander SPring-6: S. Tekehashi ALS-II: A. Anders DLS: M. Cox Others	Chair: G. Decker	Photon 8ession 3: Technologies (Redwood Room, Bidg. 48)			
	Short Presentations on Vacuum Design Issues from Lab Representatives			1:30 - 2:00	Technologies	M. Yebeshi	Chair: M. Yabashi (8Pring-8)
1:30 - 2:45				2:00 - 2:45	Short Presentations/Discussion on Technologies Required to Take Advantage of the Properties of DLSRs	G. Carini	
	Vacuum discussions, Future Topics						
3:15 - 3:30				Coffee Break	-		
	Accelerator Session 4: In (Redwood Rooms, Bidg.			3:30 - 5:00	Short Presentations/Discussion on Technologies Required to Take Advantage of the Properties of DLSRs (continued)		
3:30 - 5:00	Short Presentations on Injection Design Issues from Lab Representatives	MAX-IV: D. Einfeld AP8-U: M. Borland E8RR-J. Sirius: L. Lin SPring-S: H. Tanaka AL8-II: C. Steler Others	Chair: R. Walker	5:00 - 5:30	Discussion, Future Topics		Chair: M. Yabashi (8Pring-8)
5:00 - 5:30	Discussions, Future Topics						
	Joint :	Sessions: Accelerato	r and Photon	Science (Kavil /	Auditorium Bidg. 51)		

11 December

	Accelerator Session 5: Report Writing (Redwood Rooms, Bidg. 48)			Photon Session 4: Report Writing (Redwood Rooms, Bidg. 48)			
П	8:00 - 10:30	Close-out Report Witting	Ш	Close-out Report Writing			
П	10:30 - 11:00	Coffee Break					
П	Joint Sessions: Accelerator and Photon Science (Kavil Auditorium Bidg. 51)						
П	11:00 - 12:00	Close-out reports and plans for next steps			Chair, TBD		