

Three-Way Meeting 2016

DESY, September 14-16, 2016

Programme

Tuesday, 13 September 2016

FLASH Seminar room, Foyer, Bldg. 28c

18.00h, Reception

Wednesday, 14 September 2016

CFEL I, Bldg. 99

Optics workshop

8.30	<i>Welcome</i>	Christian Schroer (DESY)
8.45	Overview of Optics at SPring-8	Haruhiko Ohashi (SPring-8)
9.25	Overview APS	Lahsen Assoufid (APS)
10.05	Beamlines and Optics Overview DESY	Horst Schulte-Schrepping (DESY)
10.45	<i>Coffee break</i>	
11.15	Scanning Microscopy	Andreas Schropp (DESY)
11.45	Optical Metrology Updates	Lahsen Assoufid (APS)
12.15	Scanning probe profilometer for highly-sloped aspherical mirrors	Hirokatsu Yumoto (SPring-8)
12.45	<i>Lunch</i>	
13.30	The Commissioning of the APS Modular Deposition System	Ray Conley (APS)
14.00	Development of thin film coatings at SPring-8	Takahisa Koyama (SPring-8)
14.30	Overview of the Multilayer Laboratory	Sasa Bajt (DESY)
15:00	<i>Coffee break</i>	
15.30	New approaches for inelastic scattering optics	Thomas Gog (APS)
16.00	Stability Studies	Jan Horbach (DESY)
16.30	Final discussion	
17.00	End of Workshop	

17.30

Inauguration PETRA III Extension experimental hall (for all)

Evening reception after Inauguration (for all participants)

Thursday, 15 September 2016*DESY auditorium, Bldg. 6***Three-Way Meeting (main part)**

8.30	<i>Welcome</i>	Helmut Dosch (DESY)
8.45	Status Report APS	Stephen K. Streiffer (APS)
9.15	Status Report ESRF	Francesco Sette (ESRF)
9.45	Status Report SPring-8	Tetsuya Ishikawa (SPring-8)
10.15	Status Report PETRA III	Edgar Weckert (DESY)
10.45	<i>Coffee break</i>	
11.15	Science Highlights APS	Dennis Mills (APS)
11.45	Science Highlights ESRF	Jean Susini (ESRF)
12.15	Science Highlights SPring-8	Yoshiharu Sakurai (SPring-8)
12.45	Science Highlights PETRA III	Oliver Seeck (DESY)
13.15	<i>Lunch</i>	

14:45 – 18:45

Parallel Sessions

Parallel session 1:
Data policy, big data, fast evaluation
CFEL SemR I, Bldg. 99

Parallel session 2:
Complementary laboratory infrastructure and special sample environments
CFEL SemR III, Bldg. 99

Parallel session 3:
Nano positioning and stability
CFEL SemR II, Bldg. 99

Parallel session 4:
Machine developments
CFEL SemR IV, Bldg. 99

Thursday, 15 September 2016

CFEL SemR I-IV, Bldg. 99

Parallel session 1: Data policy, big data, fast evaluation CFEL SemR I, Bldg. 99		
14.45 – 18.45		
14.45	APS Scientific Computing and Data Processing Strategies	Nicholas Schwarz (APS)
15.15	Central storage (gpfs)	Martin Gasthuber (DESY)
15.45	Implementation of the ESRF data policy	Alejandro de Maria Antolinos (ESRF)
16.05	Metadata management	Andrew Goetz (ESRF)
16:25	Discussion about Data Policy and Metadata	Andrew Goetz, all
16.45	<i>Coffee break</i>	
17:15	Computational toolkits for imaging and analysis	Doga Gursoy (APS)
17.45	Data acquisition and experiment control	Thorsten Kracht (DESY)
18.15	DAQ system and online analysis at SACLA	Kyo Nakajima (SPring-8)
Parallel session 2: Complementary laboratory infrastructure and special sample environments CFEL SemR III, Bldg. 99		
14.45 – 18.45		
14.45	Sample Environments for High-Energy X-ray Techniques	Jonathan Almer (APS)
15.15	Sample environment services for extreme conditions science	Gaston Garbarino (ESRF)
15.45	PETRA III specific sample environments, labs, and detectors	Oliver Seeck (DESY)
16.15	Infrastructure for Electrochemical and Catalysis Experiments	Mali Balasubramanian (APS)
16.45	<i>Coffee break</i>	
17:15	DESY-Nanolab	Andreas Stierle (DESY)
17.45	Cryo EM infrastructure at SR facility	Koji Yonekura (SPring-8)
18.15	User support at the Partnership for Structural Biology (PSB)	Montserrat Soler-López (ESRF)
Parallel session 3: Nano positioning and stability CFEL SemR II, Bldg. 99		
14.45 – 18.45		
14.45	Fast scanning X-ray microscopy	Jan Garrevoet (DESY)
15.15	APS Velociprobe	Curt Preissner (APS)
15.55	Nano-positioning for fast in-situ scanning experiments: future requirements and perspectives regarding ESRF-EBS	Manfred Burghammer (ESRF)
16.05	The ID16A Nano-imaging endstation at the ESRF	Francois Villar (ESRF)
16.45	<i>Coffee break</i>	
17:15	Development of high-stability nanopositioning stages for x-ray optics and instrumentation at APS	Deming Shu (APS)
17.45	High precision/stability mechanics for coherent X-ray applications	Hirokatsu Yumoto (SPring-8)
18.15	NFFA universal sample handling	Manuel Abuin (DESY)

Thursday, 15 September 2016

CFEL SemR I-IV, Bldg. 99

14.45 – 18.40	Parallel session 4: Machine developments CFEL SemR IV, Bldg. 99	
14.45	PETRA III machine development, bunch cleaning	Rainer Wanzenberg (DESY)
15.10	APS-U Accelerator Design and R&D Progress	Glenn Decker (APS)
15.35	Magnet design and fabrication for the ESRF-EBS	Joel Chavanne (ESRF)
16.00	PETRA IV lattice studies	Ilya Agapov (DESY)
16.25	<i>Coffee break</i>	
17:00	Nonlinear Optimization for SPring-8 Upgrade	Kouichi Soutome (SPring-8)
17.25	Beam Injection scheme for SPring-8 Upgrade	Hitoshi Tanaka (SPring-8)
17.50	ESRF-EBS systems engineering	Jean-Claude Biasci (ESRF)
18.15	APS-U Beamlines and other experimental systems	Dean Haeffner (APS)

18.40
End of Day 2

19.00	<i>Transfer to Boat trip</i>	
19.30	<i>Boat trip and conference dinner</i>	

Friday, 16 September 2016

DESY auditorium, Bldg. 6

Three-Way Meeting (cont.)

8.30	European XFEL	Thomas Tschentscher (European XFEL)
9.15	New developments in superconducting undulators	Chuck Dooze (APS)
10:00	Serial crystallography at X-ray FELs and SR sources	Henry Chapman (DESY)
10.45	Coffee	
11.20	Summary Optics Workshop	
11.40	Summary Parallel Session 1	
12.00	Summary Parallel Session 2	
12.20	Summary Parallel Session 3	
12.40	Summary Parallel Session 4	
13.00	Discussion	
13.30	Lunch	
From 14:00 on	Facility tours for interested colleagues	