The 5th Workshop on FEL Science: "Creation of New Science"

Place: Gyeongju Hilton, Gyeongju, Korea Date: 2012, October 28- November 1

October 28 (Sunday)

15:30 16:30 Check-in and registration

Opening keynote lecture (Chair: D. Y. Noh)

16:30 17:00 T. Ishikawa Workshop opening keynote

Opening session - facility overview (Chair: M. H. Cho)

17:00 17:30 M. Yabashi Overview of SACLA beamlines 17:30 18:00 I. S. Ko Current Status of PAL XFEL Project

18:00 20:00 Welcome reception

October 29 (Monday)

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Session I:	Overview	of imaging with x-rays (0	Chair: J. Je)					
9:00	9:20	D. Y. Noh	Application of Fresnel coherent diffraction imaging for composition analysis of bimetallic alloys					
9:20 9:40	9:40 10:00	M. Nakasako K. S Liang	Possibility of CXDI of bio-molecular assemblies using X-ray free-electron laser Structure of Human eNOS Protein					
10:00	10:20	J. Miao	Coherent Diffraction Imaging of Materials by Using an X-ray Free Electron Laser					
10:20	10:40		Coffee break					
Session II:	: Coherent >	ray imaging-1 (Chair:	J. Miao)					
10:40	11:00	Y. Nishino	Coherent Imaging with XFEL					
11:00	11:20	J. H. Je	X-ray imaging in bubble systems					
11:20	11:40	Y. Hwu	Nanofabrication for X-ray imaging					
11:40	12:00	Y. Takahashi	High-Resolution Ptychography Using Focused Hard X-ray Beam					
12:00	12:20	H. Kim	Strain Imaging of Nanocrystals					
12:20	13:30		Lunch & discussion					
Session I	Session III: Coherent x-ray imaging - II (Chair: Y. Nishino & Y. Takahashi)							
13:30	13:50	C. Song	Activities on Multiple Application X-ray Imaging Chamber					
13:50	14:10	Y. Joti	Towards Synergistic Use of SACLA and K Computer for Bio-molecular Imaging					
14:10	14:30	CC. Chen	Novel 3D reconstruction techniques from limited views: Equally Sloped Tomography and Ankylography					
			Tomography and turnylogicaphy					
14:30	14:40		Short break					
14:40	15:00	H. J. Shin	A compact transmission soft-x-ray microscope at Pohang Light Source					
15:00	15:20	TK. Lee	Resolution enhancement for coherent diffraction imaging of non-crystalline samples					
15:20	15:40	J. H. Park	Aerodynamic focusing liquid jet injector development for					
			single particle imaging at SACLA					
15:40	16:00		Coffee break					
Poster & d	liscussion							
16:00	18:00		Refer to index for Poster Presentation					
			Total to Mack 15. 1 Ostal 1 Total Mallott					
19:00	21:00		Dinner					

October 30 (Tuesday)

Excursion

9:00 18:00 Excursion & PAL facility visit

19:00 21:00 Dinner

October 31 (Wednesday)

Session 1	V: Current	status and future pers	spectives-I (Chair: C. Song)
9:00	9:20	H. C. Kang	Scanning X-ray Microscope with Multilayer Laue Lenses
9:20	9:40	H. Tomizawa	The operation status of SACLA accelerator and the future plans
0.20	0.10	Til Tomizawa	with FEL-seeding scheme
9:40	10:00	K. Sawada	Berry-phase theory of optical pulse propagation
40.00	40.00		0 11 1
10:00	10:20		Coffee break
Session V	/I: Current s		pectives-II (Chair: M. Yabashi)
10:20	10:40	T. Katayama	Dispersive X-ray Absorption Spectroscopy with XFEL
10:40	11:00	J. W. Chung	Electronic properties of graphene modified by Fe-intercalation
11:00	11:20	CJ. Yu	Beamlines in PAL-XFEL
11:20	11:40	T. Kameshima	Overview of Multi-port CCD detector system
11:40	15:00		Lunch & discussion
Session V	/II: Ultrafast	x-ray pump-probe (C	Chair: K. B. Lee)
15:00	15:20	H. Ihee	Molecular Structural Dynamics Probed by Ultrafast X-ray
			Scattering and Absorption Spectroscopy
15:20	15:50	R. Dilanian	Electronic phase transition in fullerene crystals induced by the nano
			focused femtosecond x-ray laser pulses
15:50	16:10	Jey-Jau Lee	The planning beamlines for ultrafast Time-Resolved X-ray diffraction
			in TPS of Taiwan
16:10	16:30	M.C. Newton	Time-Resolved Imaging with Coherent X-ray Diffraction (TRICXD):
			Applications to Ultra-fast Strain Dynamics at the Nanoscale
16:30	16:50	G. Van Riessen	Progress and challenges in coherent diffractive imaging with soft X-rays for
			biological microscopy
Workshop			
16:50	17:00	H. Kitamura	Workshop closing
Visit to Mu	useum		
17:00	18:00		Visit to Museum
18:00	20:00		Forewall dispos
10.00	20.00		Farewell dinner

November 1 (Thursday)

~ 11:00 Check-out