

Report on ERL2011

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ERL2011

- ICFA ABDW Series
- Sequel to ERL2009 in BNL
- Hosted by KEK & JAEA
- OC Chair: H. Kawata, KEK
- SPC Chair: R. Hajima, JAEA
- Date: 16 – 21 October, 2011
- Conference Site : KEK

Conference Site - KEK



Delegates / Exhibitors

- 140 delegates participated
 - 61 from overseas (USA, Germany, China, UK, Russia, Switzerland, Korea, Slovenia)
 - 79 from Japan
- 19 companies for Industrial Exhibition
 - Mainly from Japan
- Registration management (except for contribution) consigned to a Travel Agency
 - Including Accommodation, Payment, etc.

SPMS

- The ERL2011 instance has been created on KEK-SPMS
- Used for Acceptance of contributions and Editing

InDiCo

- For Scientific Program table on the Web
 - Oral presentation files were collected manually and uploaded on InDiCo by LOC staff

08:00	Registration Kenkyu-bonkan, Kobayashi Hall, KEK, High Energy Accelerator Research Organization			08:00 - 08:30
09:00	Welcome Kenkyu-bonkan, Kobayashi Hall, KEK, High Energy Accelerator Research Organization			09:00 - 09:15
	ERL for light sources	HOFFSTAETTER, Georg		
	Kenkyu-bonkan, Kobayashi Hall, KEK, High Energy Accelerator Research Organization			09:15 - 10:00
10:00	Coffee break Kenkyu-bonkan, Kobayashi Hall, KEK, High Energy Accelerator Research Organization			10:00 - 10:30
	ERLs in the High Energy and Nuclear Physics	LITVINENKO, Vladimir		
11:00	Kenkyu-bonkan, Kobayashi Hall, KEK, High Energy Accelerator Research Organization			10:30 - 11:15
	WG organization (1) Electron Sources	LEGG, Bob et al.		
	Kenkyu-bonkan, Kobayashi Hall, KEK, High Energy Accelerator Research Organization			11:15 - 11:45
12:00	WG organization (2) Beam Dynamics Kenkyu-bonkan, Kobayashi Hall, KEK, High Energy Accelerator Research Organization			11:45 - 12:15
	Lunch			
13:00	Restaurant/Cafeteria, KEK, High Energy Accelerator Research Organization			12:15 - 13:30
	WG organization (3) Superconducting RF	LIEPE, Matthias et al.		
	Kenkyu-bonkan, Kobayashi Hall, KEK, High Energy Accelerator Research Organization			13:30 - 14:00
14:00	WG organization (4) Instrumentation and Controls Kenkyu-bonkan, Kobayashi Hall, KEK, High Energy Accelerator Research Organization			14:00 - 14:30
	WG organization (5) Unwanted Beam Loss	KAYRAN, Dmitry et al.		
	Kenkyu-bonkan, Kobayashi Hall, KEK, High Energy Accelerator Research Organization			14:30 - 15:00
15:00	Coffee Break Kenkyu-bonkan, Kobayashi Hall, KEK, High Energy Accelerator Research Organization			15:00 - 15:30
	Status of Superconducting RF G...	Accelerator Transport Lattice Design Issues for High Performance ERLs	Progress of SC cavity for KEK-ERL since 2009	AOYAGI, Hideki
	The Superconducting RF Phot...	Lattice of the Novosibirsk ERL	HZB: SRF cavities at P...	LIU, Kexin
16:00	Proposal of a Diamond-based Beam Hal...			Beam Loss Monitoring and Machine Protection at the ELBE CW Accelerator

Scientific Program

- 136 presentations
 - 106 Invited talks (All the Talks are ‘Invited’)
 - 11 of them for Plenary Session
 - 30 Posters
- Divided into 5 Working Groups
 - 4 Parallel sessions at maximum (there was combination of WGs)

Example

	Room A	Room B	Room C	Room D
Mon PM2	WG1	WG2	WG3	WG4 WG5
Thu PM1	WG1	WG2 WG5	WG3	WG4



Scientific Program

	Sunday October 16	Monday October 17	Tuesday October 18	Wednesday October 19	Thursday October 20	Friday October 21
0900		0900 Welcome	0900 DC-SRF photocathode injector for ERL at Peking University Xexin Liu (Peking U)	0900 Recent progress in superconducting cavity production E. Kako (KEK)	0900 Beam halo formation C. Mayes (Cornell)	0900 WG-1 report B. Legg / B. Dunham
0930		0915 ERL for light sources G. Hoffstaetter (Cornell)	0930 current status of understanding of things like CSR and CTR B. Carlsen (LANL)	0930 Operations, Controls and Diagnostics for High Power Electron Injectors B. Dunham (Cornell)	0930 summary of XDL2011 G. Hoffstaetter (Cornell)	0930 WG-2 report C. Mayes / N. Nakamura
1000		1000 coffee break	1000 review of XFEL K-J. Kim (ANL)	1000 applications of high-brightness gamma-rays from ERLs T. Hayakawa (JAEA)	1000 ultrafast science of the ERL application S. Adachi (KEK)	1000 WG-3 report M. Liepe / T. Furuya
1030		1030 ERL for high-energy and nuclear physics V. Litvinenko (BNL)	1030 coffee break	1030 coffee break	1030 coffee break	1030 coffee break
1100		1115 WG1 organization B. Legg / B. Dunham	1100 parallel session	1100 parallel session	1100 parallel session	1100 WG-4 report T. Obina / D. Gassner
1130		1145 WG2 organization C. Mayes / N. Nakamura	WG1 WG2 WG3 WG4 & WG5	WG1 WG2 WG3 WG4 & WG5	WG1 WG2 WG3 WG4 & WG5	1130 WG-5 report D. Kayran / K. Jordan
1200		1215 Lunch	1215 Lunch	1230 Excursion	1215 Lunch	1200 Closing remarks
1230						1230 adjourn
1300						
1330		1330 WG3 organization M. Liepe / T. Furuya	1330 parallel session		1330 parallel session	
1400		1400 WG4 organization T. Obina / D. Gassner	WG1 WG2 WG3 WG4 & WG5		WG1 WG2 & WG5 WG3 WG4	
1430		1430 WG5 organization D. Kayran / K. Jordan				
1500		1500 coffee break				
1530		1530 parallel session	1530 coffee break		1530 coffee break	
1600		WG1 WG2 WG3 WG4 & WG5	1600 poster session		1600 parallel session	
1630					WG1 & WG2 WG3 WG4 & WG5	
1700		1700 Lab. Tour				
1730						
1800						
1830						

Session / Paper ID

- At the beginning Paper IDs were to be fixed after the conference
 - To allow flexible arrange of presentation order until the end of workshop
- The idea would not be adapted for SPMS
 - ➔ Tentative IDs were given so that SPMS could handle proceedings
 - Named after Working Groups, regardless of weekdays:
“PLT”, “WG1”, “WG2”, “WG3”, “WG4”, “WG5”, “PSP”

Thanks to SPMS Experts for very primitive instructions

Session & Paper ID (Cont.)

	Sunday October 16	Monday October 17	Tuesday October 18	Wednesday October 19	Thursday October 20	Friday October 21
0900		PLT	PLT	PLT	PLT	PLT
0930						
1000		1000 coffee break				
1030			1030 coffee break	break	1030 coffee break	1030 coffee break
1100		PLT	WG1 WG2 WG3 WG4 & WG5	WG1 WG2 WG3 WG4 & WG5	WG1 WG2 WG3 WG4 & WG5	PLT
1130						
1200		1215 Lunch	1215 Lunch	1200 excursion	1215 Lunch	
1230						
1300						
1330						
1400		WG1001 WG1002 WG1003	WG1 WG2 WG3 WG4 & WG5		WG1 WG2 & WG5 WG3 WG4	
1430						
1500						
1530			1530 coffee break		1530 coffee break	
1600		WG1 WG2 WG3 WG4 & WG5				
1630						
1700		1700 Lab Tour	PSP		WG1 & WG2 WG3 WG4 & WG5	
1730						
1800						
1830						

Session ID
“PLT” is used
for all the
plenary
session.

Idem for WGs.

IT Setup

- 2 Windows Laptops & 1 LCD for each session room
 - 10 PCs in total for presentation and speaker timer
- Reused File Server
 - The identical machine for IPAC'10, Kyoto (placed at KEK)
 - Quad-core 2.6GHz CPU, Ubuntu 10.x LTS
- Wireless network was prepared temporarily outside the firewall for participants
- Excellent Network condition
 - 100Mbps or 1Gbps LAN was everywhere in Laboratory
 - Quite close to File Server & SPMS Instance
- No Proceedings Office / Paper Reception during conference

Proceedings

- Deadline has been set on the day **2 Weeks After** the workshop (i.e. 4 Nov) :
 - Feedback from discussion during conference could be included
- 11% submitted by the deadline (14% now)
- 7 Editors from KEK: On Standby
 - Akihiro Shirakawa, Takashi Kosuge, Kazuyuki Nigorikawa, Takeharu Mori, Hiroaki Katagiri, Hiromitsu Nakajima, Hirokazu Tanaka
- Waiting for ‘block’ submission

Some photos from the conference ...

