

# Minutes of the 13<sup>th</sup> ACFA Plenary Meeting

November 6, 2007, IHEP, Beijing, P.R. China



The 13<sup>th</sup> ACFA plenary meeting was held at the Institute of High Energy Physics, Beijing, P.R. China on Nov. 6, 2007.

## Participants of the 13<sup>th</sup> ACFA plenary meeting

Chuang Zhang (Chair, IHEP/Beijing)	Akira Noda (IPAC'10 SPC chair, Kyoto University/Kyoto)
Qing Qin (Secretary, IHEP/Beijing)	Masatoshi Arai (JAEA/Tokai)
Yifang Wang (IHEP/Beijing)	Satish Chandra Joshi (CAT/Indore, represent V.C. Sahni)
Wenlong Zhan (IMP/Lanzhou)	In Soo Ko (Vice Chair, POSTECH/Pohang)
Zhentang Zhao (SINAP/Shanghai)	Jinhyuk Choi (Vice Secretary, POSTECH/Pohang)
Akiya Miyamoto (LC WG, KEK/Tsukuba)	Won Namkung (ALCSC chair, POSTECH/Pohang)
Mitsuaki Nozaki (KEK/Tsukuba)	Gwo-Huei Luo (NSRRC/Hsinchu)
Shin-ich Kurokawa (IPAC OC chair, KEK/Tsukuba)	

## **Program**

1. Opening Remarks (C. Zhang, ACFA Chair)
2. Report on Renewal of ACFA Representatives (Q. Qin, ACFA Secretary)
3. How to organize IPAC in general (S. Kurokawa, former ACFA Chair, IPAC OC chair)
4. Report of IPAC'10 (A. Noda, IPAC'08 SPC chair)
5. Report and discussion on IPAC'13
  - 1) Y.F. Wang proposed P.R. China to be the host country of IPAC'13
  - 2) Discussion on IPAC'13
  - 3) Decision was made on the host of IPAC'13
6. Issue of ILC Asian Offices
  - 1) Proposed by M. Nozaki
  - 2) Discussions on this issue
7. Report from ALCSC Chair (W. Namkung)
8. Discussion and nomination on the Chair of ALCSC
9. Activity reports and discussion
  - 1) Report on J-Parc activities and collaboration (M. Arai)
  - 2) Report on SSRF construction and commissioning (Z.T. Zhao)
  - 3) Report on TLS and the proposed TPS
  - 4) Report on the progress of HIRFL-CSR commissioning (W.L. Zhan)
10. Next ACFA Plenary Meeting

## **Summary**

### **1. Opening address**

Prof. C. Zhang, ACFA Chairman, welcomed all the participants on behalf of ACFA and IHEP by using the words from the 2008 Beijing Olympic Organizing Committee: Beijing welcomes you. An Olympic twin commemorative medallion and IHEP/BEPC stamp folder were prepared for each participant as souvenirs. The participants appreciated this.

### **2. Renewal of ACFA representatives**

Prof. Q. Qin, ACFA Secretary, reported on the renewal of ACFA members. The representatives of each member country/region should be renewed according to the regulation of ACFA and the decision of last ACFA plenary meeting. Some countries/regions have finished the renewal, while others are still in the process. Two representatives from main land China, two from Japan, one representative from Korea and one from Taiwan were renewed. The list of the renewed ACFA members is shown in the Appendix 1. New ACFA members were introduced to all the participants at the beginning of the meeting.

### **3. General IPAC issues**

Prof. S. Kurokawa, IPAC OC chair, introduced the history and current status of the IPAC. During the Albuquerque PAC, PACCC (Particle Accelerator Conference Coordinating Committee) reached the following consensus: all xPACs (PAC, EPAC, and APAC) will move to a three-year cycle; International Particle Accelerator Conference (IPAC) will be created and the 1st IPAC will be held at Kyoto in May 2010. He put forward some questions related to the organization of IPAC, such as how do South America, Africa, Middle East, Australasia, Russia/FSU, etc., fit into IPAC? What are the Membership and Mandate of PACCC? How to ensure an international balance in scientific programs? How frequently should IPAC Conference Committees (OC/SPC) meet? He also mentioned that the first tripartite meeting to discuss these issues of IPAC would be held at CERN on December 5 by having 5 representatives from each region. The participants discussed these issues and agreed that IPAC should be truly international and the composition of OC and SPC also should be internationalized. ACFA decided to entrust Asian representatives who would participate in the December 5 meeting with negotiation with other regions about details. The OC and SPC chairs of last, current, and next IPACs should be the OC members of the current IPAC.

### **4. IPAC'10**

Prof. A. Noda, IPAC'10 SPC chair, reported the IPAC'10 status on behalf of the IPAC'10 organization committee. The First IPAC will be held at Kyoto, Japan, in May 23-28, 2010 under the auspices of ACFA. The mandate of ACFA is required to be decided and the details of organization of IPAC'10 need to be discussed. The conference is proposed to be sponsored by the Science Council of Japan. ACFA Chairman is asked to write a letter to support this proposal.

### **5. Report and discussion on IPAC'13**

Up to this meeting, ACFA Secretariat received one application from the representatives of P. R. China for hosting the IPAC'13 (Appendix 2). Prof. Y.F. Wang presented the application at the meeting. It is stated that if approved, China will make every effort to organize a successful conference, and choose a best site, among Beijing, Shanghai, Langzhou and Dongguan, to hold the conference. The Committee appraised the application through discussion and approved their proposal.

## **6、 Issue of ILC Asian Office**

ACFA appreciates the effort of Prof. M. Nozaki from KEK to establish an ILC Asian Office to facilitate the collaboration among Asian countries. It is expected that the mission and regulation of the office will be formulated soon, and the details will be discussed further. The meeting requested Prof. C. Zhang, ACFA Chair and Prof. W. Namkung, ALCSC Chair, to write letters to Prof. F. Takazaki to respond with the appreciation.

## **7、 Report from ALCSC Chair**

Prof. W. Namkung reported the activities of the ALCSC. The Committee appreciated that Prof. W. Namkung for his contribution to Asian ILC collaboration as the ALCSC Chair in the past 5 years.

## **8、 Discussion and the ALCSC Chair nomination**

Several candidates were nominated to succeed Prof. W. Namkung as the Chair of ALCSC. The decision will be made by taking into account the nomination for the Asia members of the Project Adversary Committee (PAC) and the International Detector Advisory Group (IDAG).

## **9、 Activity reports and discussion**

Four activity reports were given in the meeting. Activity of RRCAT was given by S. Joshi in the plenary session of the CCAST ILC workshop held on Nov. 5-7, Beijing.

- 1) Prof. M. Arai gave a talk on the status of J-Parc at JAEA, Japan. The linac of J-Parc has been commissioned. With the efforts of the JAEA and KEK, the 3-GeV synchrotron has its beam accumulated in the ring on Oct. 31. The beam energy was successfully ramped.
- 2) Prof. Z.T. Zhao reported the status of SSRF in SINAP, Shanghai, China. The booster of the SSRF was successfully commissioned on Sept. 30, the electron beam was stored in the booster on Oct. 2, and later accelerated to a higher energy on Oct. 5. On Oct. 31, the beam was extracted successfully from the booster.
- 3) Prof. G.H. Luo talked about the status of NSRRC. The TPS, upgrade project of the TLS, is formally approved and initial funding is available now. The TPS machine is a 3-GeV storage ring aiming for a diffraction limit with a minimum emittance of near 1 nm.
- 4) Prof. W.L. Zhan showed the status of HIRFL-CSRm and CSRe commissioning. With electron cooling, the CSRm has reached its design goal of the beam energy, intensity, emittance, and energy spread.

After each activity report, all the participants congratulated the results achieved in each laboratory and hoped to have more collaborations among all the laboratories of

ACFA member countries and regions.

#### **10、 Next ACFA Plenary Meeting**

Two possibilities were proposed for the next ACFA Plenary Meeting. One is on the occasion of the next International FEL Workshop to be held at Kyongju, Korea, during the last week of August 2008. Another is at Kyoto, Japan, during the IPAC'10 Organizing Committee Meeting. It is also in consideration to hold the meeting in Vietnam or Thailand to promote the accelerator science and technology in such rapidly developing countries. The decision will be made after further discussion.

**Appendix 1****ACFA Member List****(Up to Nov. 2007)**

<b>Country/Region</b>	<b>Name</b>	<b>Affiliation</b>	<b>Email Address</b>
AUSTRALIA	TAYLOR, Geoffrey	University of Melbourne	g.taylor@physics.unimelb.edu.au
	DRACOULIS, George	Australian National University	george.dracoulis@anu.edu.au
BANGLADESH	HOQUE, A.K.M. Fazlul	Atomic Energy Centre	fhoque@bttb.net.bd
P. R. CHINA	ZHANG, Chuang (Chair)	IHEP	zhangc@ihep.ac.cn
	WANG, Yifang	IHEP	yfwang@ihep.ac.cn
	ZHAN, Wenlong	IMP	zhan@impcas.ac.cn
	ZHAO, Zhentang	SINAP	zhaozt@ssrc.ac.cn
	QIN, Qing (Secretary)	IHEP	qinq@ihep.ac.cn
INDIA	ROY, Amit	Inter-U. Accelerator Centre	roy@iuac.res.in
	BHANDARI, Rakesh K.	Variable Energy Cyclotron Centre	bhandari@veccal.ernet.in
	SAHNI, V.C.	CAT	ycahni@cat.ernet.in
INDONESIA	SUDJATMOKO	National Nuclear Energy Agency of Indonesia	s_moko@batan.go.id
	PUDJORAHARDJO, Djoko Slamet	National Nuclear Agency of Indonesia	s_pujoharjo@batan.go.id

<b>Country/Region</b>	<b>Name</b>	<b>Affiliation</b>	<b>Email Address</b>
JAPAN	NOZAKI, Mitsuaki	KEK	Mitsuaki.nozaki@kek.jp
	NODA, Akira	Kyoto University	noda@kyticr.kuicr.kyoto-u.ac.jp
	ARAI, Masatoshi	JAEA	masatoshi.arai@j-parc.jp
R. KOREA	KO, In Soo (Vice Chair)	POSTECH	isko@postech.ac.kr
	KIM, Gui Nyun	Kyungpook National University	gnkim@knu.ac.kr
	SUK, Hyyong	Gwangju Institute of Science and Technology	hysuk@gist.ac.kr
	CHOI, Jinhyuk (Vice secretary)	PAL	jchoi@postech.ac.kr
MALAYSIA	CHIA, Swee-Ping	Inti College Malaysia	spchia@intimal.edu.my
PAKISTAN	HOORANI, Hafeez	Quaid-i-Azam University	Hafeez.Hoorani@cern.ch
SINGAPORE	MOSER, Herbert O.	NUS	moser@nus.edu.sg
TAIWAN	LUO, Gwo-Huei	NSRRC	luo@nsrrc.org.tw
	WANG, Chaoen	NSRRC	rffwang@nsrrc.org.tw
	Hsiung, Yee	NTU	yhsiung@phys.ntu.edu.tw
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	PAIRSUWAN, Weerapong	Suranaree University of Technology	weerapon@nsrc.or.th
VIETNAM	THIEP, Tran Duc	Institute of Physics and Electronics	tdthiep@iop.vast.ac.vn
	DUAN, Phung Van	Hanoi University of Technology	pvduan@mail.hut.edu.vn

## Working Groups

Network WG	KARITA, Yukio	KEK	yukio.karita@kek.jp
Electronic Publication WG	CHIN, Yong Ho	KEK	yongho.chin@kek.jp
HPPA WG	CHOI, Byung-Ho	KAERI	bhchoi@kaeri.re.kr
LC Physics/Detector WG	MIYAMOTO, Akiya	KEK	akiya.miyamoto@kek.jp
Advanced Accelerator WG	NAKAJIMA, Kazuhisa	KEK	nakajima@post.kek.jp
ALCSC Chairman	NAMKUNG, Won	POSTECH	namkung@postech.ac.kr

## Former, present, and future APAC (IPAC) OC and SPC chairs

	Organizing Committee Chair	Scientific Program Chair
APAC1998	H. Sugawara	M. Kihara
APAC2001	S.X. Fang	Z.Y. Guo
APAC2004	S. Baik and W. Namkung	S.H. Nam
APAC2007	V.C. Sahni	S. Kotaiah
IPAC2010	S. Kurokawa	A. Noda



## Appendix 2

### Letter to ACFA Chairman

Prof. Chunag Zhang  
Chairman  
Asian Committee for Future Accelerators (ACFA)  
October 15, 2007

Dear ACFA Chairman,

We are pleased to learn that a three-year's cycle of particle accelerator conferences as the international PACs has been introduced and the first IPAC will be held in Kyoto and IPAC'13 will be in Asia again. After intensive discussions with our colleagues in the accelerator community, we are honored to send the application to ACFA for hosting the IPAC'13 in China.

Along with the rapid development of nation's economy, the particle accelerators have been growing vigorously in recent years. The upgrade of the Beijing Electron-Positron Collider, the Hefei Light Source, and the Lanzhou Heavy Ion Research Facility have been completed or almost completed, the newly constructed Shanghai Synchrotron Radiation Facility is underway smoothly, and the China Spallation Neutron Source will start soon. In 2001, we successfully held the second APAC in Beijing, and we are now hoping to host the IPAC'13 to contribute to the world accelerator community and to promote the world-wide collaboration.

If approved, we will make every effort to organize a successful conference, and will choose a best site in China, possibly Beijing, Shanghai, Lanzhou or Dongguan where the CSNS will be located. The dates of the conference will be decided following the convention of previous IPACs, in spring usually, which is also the best season in most part of China.

We are looking forward to hearing ACFA's decision. If selected, we are sure, it will be a great conference and you will have a wonderful time in China.

Sincerely yours,

Y.F.Wang

W.L.Zhan

Z.T.Zhao

ACFA Representatives from China