Summary of
Network & Computing

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Mitsuaki Nozaki

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- A new Working Group under ACFA created in the last ACFA meeting in Shanghai.

- A new category set up in AFAD Workshop

- Contacts have been assigned for every country/region and major institutes.

- Kolkata Workshop is the kick-off.

- This WG is expected to provide a forum to discuss common issues looking for seeds for new collaborations.

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Feb. 6th 2012			
12:00 to 13:30	**Parallel Session - I**	Session Chair : M. Nozaki, KEK	
12:00-12:10	Opening remarks	M. Nozaki	KEK
12:10-12:30	National Knowledge Network	P.S. Dhekne	BARC
12:30-12:50	Application of DAE Grid	B. S. Jagadeesh	BARC
12:50-13:10	Cyber infrastructure for High Energy Phyiscs in Korea	Kihyeon Cho	KISTI
13:10-13:30	Report from IHEP	Jingyan Shi	IHEP
15:00 to 16:30	**Parallel Session - II**	Session Chair : D. Sarkar, VECC	
15:00-15:20	Computerised control & Diagnostics of cyclotrons at VECC	Sarbajit Pal	VECC
15:20-15:40	Grid computing activities at VECC	Tapas Samanta	VECC
15:40-16:00	Report from ICEPP/ Tokyo	Tomoaki Nakamura	Universiy of Tokyo
16:00-16:20	Alice T2 status at Hiroshima	Toru Sugitate	Hiroshima University
17:00 to 18:00	**Parallel Session - III**	Session Chair : P.S. Dhekne, BARC	
17:00-17:20	Status and upgrade plan for CMS Tier2 centre at TIFR	Gobinda Majumder	TIFR
17:20-17:40	Network, Computer & data acquisition systems at IUAC	E. T. Subramaniam	IUAC
17:40-18:00	Report from KEK	Takashi Sasaki	KEK
18:00-18:20	Report from Academia Sinica	Eric Yen	ASGC
Feb. 7th 2012			
9:30 to 11:00	**Parallel Session - IV**	Session Chair : T. Nakamura, Universiy of Tokyo	
09:30-09:50	Mutual monitoring of bi-directioanl connectivity	Hiroyuki Matsunaga	KEK
09:50-10:10	Network and computing for Belle II	Takanori Hara	KEK
10:10-10:30	Belle II Physics Analysis Center in India	Gagan Mohanty	TIFR
10:30-10:50	Asia-PoP : A proposal of the high throughput data sharing testbed	Go Iwai	KEK
10:50-11:00	Discussion	ALL	

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Kolkata Workshop

- More than 20 participants

- 14 talks from BARC, VECC, TIFR, IUAC (India), KISTI (Korea), ASGC (Taiwan), U.Tokyo, Hiroshima U., KEK (Japan).

  - Absent: Australia, China, Russia

- To know each other was important,
  3 parallel sessions was allocated to Institutional reports.

- Proposals for new collaborative activities in the last sesssion.

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Institutional Reports -1-

- e-Infrastructure

  - India: National Knowledge Network for research and education

  - Taiwan: Disaster mitigation

- WLCG

  - ASGC: The only Tier-1 in Asia,
    many lessons learned that should be shared among Asia-Pacific.

    - Korea proposed Tier-1 for ALICE and CMS

  - ALICE: KISTI, Hiroshima, VECC

  - ATLAS: Tokyo, Melbourne

  - CMS: KNU, TIFR, IHEP

- Belle II

  - An Asian project: Asia collaborators are 55%
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  - KEK: host lab

Institutional Reports -2-

- HPC
  - BARC, KISTI, VECC, IUAC, KEK

- Remote Control/DAQ
  - VECC for accelerator control
  - KISTI for CDF operation
  - DAQ at IUAC

- Simulation/visualization
  - GEANT4 development at KEK for HEP, space, medical applications

Proposals for New Collaboration

- High-speed network is needed

  - Connection inside Asia is poorer than Asia-U.S.

  - Negotiation with network providers (institutions) is needed

- Network monitoring system

  - Essential to identify problems

  - Performance monitoring using a common tool, "perfSONAR"

    - Connectivity in Asia-Pacific is worse than Asia-US

- Asia-PoP

  - Point of Presence: a gateway to each institute/data center

Possible Future Collaboration

- HPC

- GEANT4 upgrade

- Remote control/monitoring

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Thank you