

# International HEP Computing Coordination Committee

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- IHEPCCC Mandate
- Membership
- Activities
- Relationship with HEPiX community
- Summary

## Mandate

- Formed in 2004, IHEPCC is an ICFA sub-committee that provides a forum of the exchange of information on computing issues of a global nature
  - Strategic policies, technology trends, security issues, training and education
- Links with the ICFA SCIC sub-committee (H.Newman, Chair), the regional HEP organizations and grid projects
- Reports to the ICFA committee
  - Recent report at the Feb 2006 ICFA meeting by the outgoing Chair, Guy Wormser

# Membership

**Asia**

S. Banerjee (TIFR/Mumbai)  
Gang Chen (IHEP/Beijing)  
S. Lin (ASGS/Taiwan)  
Y. Watase (KEK)  
TBD Member

**Europe**

F. Ould-Saada (Oslo)  
M. Kasemann (DESY)  
M. Mazzucato (Padova)  
W. von Rueden (CERN)  
J. Templan (NIKHEF)  
P. Watkins (Birmingham)  
D. Boutigny (IN2P3)

**North America**

P. Avery (Gainesville)  
B. Gibbard (BNL)  
R. Mount (SLAC)  
R. Sobie (Victoria), Chair  
V. White (Fermilab)  
F. Wuerthwein (San Diego)

**Other Countries**

A. Hoummadda (Casablanca)  
V. Ilyin (Moscow)  
TBD Member

*Members have 2 year term*

## 2004-2006 Activities

- Report on HEP Virtual Organization
- Review of software training opportunities
- Participated in Digital Divide discussions with SCIC
  - IHEPCCC met at the Korea Digital Divide Workshop 2005
- Initial discussions on a number of topics
  - Grid computing
  - Software Licensing
  - Hardware procurement

## Visitor support

- General support for visitor computing is good
  - Wireless available in an open environment or after registration
  - Site coverage is reasonable but not complete
  - Access to printing is often limited
- Teleconference and video conference facilities
  - Most meetings use teleconference and web
  - Technical difficulties appear to be resolved at most labs
  - Some labs have no teleconference contract
- VOIP
  - Growing demand for VOIP to reduce telephone costs
  - Skype restrictions at CERN

## Areas under discussion

- HEP software
  - A number of success stories (e.g. ROOT, Geant4)
  - Operating system development
  - Concern about non-open source HEP software
  - There is duplication of effort in some areas (may be good)
- Commercial software
  - Need for packages such as MatLab, ORACLE, Objectivity
  - Could we arrange a HEP license for some packages?
- Training and education
  - Encourage support of computing schools and development of web-based training or documentation
  - Could we save money and resources by better training?

## Grid

- Focus of HEP grid efforts is on the LHC
  - LCG and OSG are large efforts
  - Many other initiatives around the world that involve HEP but also other fields of science
  - What is the non-HEP use of the Grid?
- Organizations
  - LCG GDB is a national body for the LHC Community
  - HEPiX is an institution/laboratory community that looks at technical computing issues (more than grid)
  - HEP is involved in GGF
- IHEPCCC needs to discuss HEP grid

## HEPiX and IHEPCCC

- LCG GDB is working with HEPiX on technical projects
  - Storage Task Force Report
- IHEPCCC is an advisory group to ICFA
  - We are not building an infrastructure (like the GDB)
- IHEPCCC would like to invite a representative from HEPiX to present a summary after their meetings
  - What are the key areas that IHEPCCC should address?
  - What message should we give to the Lab Directors?



## IHEPCCC Priorities

- IHEPCCC needs to renew its mandate and membership
  - The “renewed” IHEPCCC will meet for the first time in May-June
- Visitor support
  - Continue to monitor support and get feedback from the community
- Grid
  - Get a better overview of the global efforts and quantify the non-HEP use of the Grid
- Software
  - Document the use of licensed software and learn more about non-open source HEP software development
- Technical issues
  - Open a dialog with HEPiX community

## Summary

- IHEPCCC provides an opportunity to highlight computing issues to ICFA (A.Wagner, Chair of ICFA)
  - Presentation to ICFA in Feb 2007 Beijing meeting
- Contact me or one of the IHEPCCC members with your comments and suggestions ([rsobie@uvic.ca](mailto:rsobie@uvic.ca))
- Web site: <http://www.ihepccc.org>