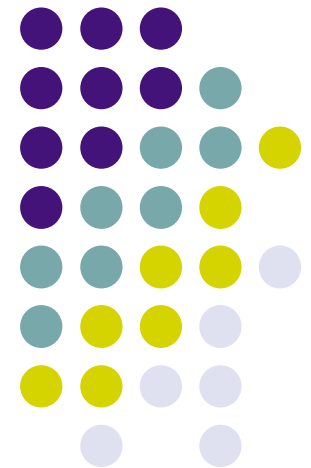


# Present work and future directions of the International HEP Computing Coordination Committee IHEPCCC

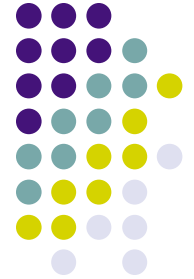
Randall Sobie  
University of Victoria  
Canada





## Role of IHEPCCC

- 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
  - Make recommendations to ICFA concerning the HEP computing community
- Communication 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



# IHEPCCC Membership

## Asia:

- Kawabata Feb 07
- Chen Feb 07
- Son Feb 06
- Banerjee Feb 07
- Taylor Feb 06

## North America:

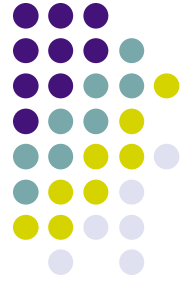
- Avery Feb 07
- Gibbard Feb 06
- Mount Feb 06
- Sobie Feb 06 Chair
- White Feb 06
- Wuerthwein Feb 07

## Europe:

- Delfino Feb 06
- Kasemann Feb 07
- Mazzucato Feb 06
- Von Ruden Feb 07
- Turala Feb 06
- Watkins Feb 07
- Wormser Feb 06 Past Chair

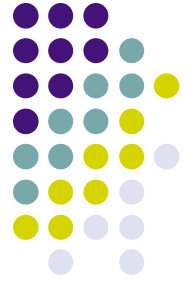
## Rest of the world:

- Ilyin Feb 07
- Hoummada Feb 07
- Santoro Feb 06



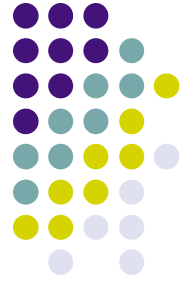
## Present work

- 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
- Established an informal link between HEPix and IHEPCCC
  - HEPix has a wide range of experts on technical issues
- Initial discussions on a number of topics
  - Grid computing
  - Software Licensing
  - Hardware procurement



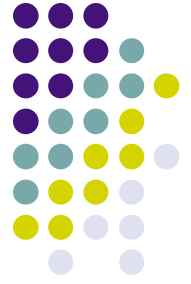
# HEP Virtual Organization

- Aim is to provide a minimum level of computing services to any bona fide HEP member in any HEP laboratory
- Solve the traveling physicist problem
  - Create new services for the community
- Initial proposal to base it on certificate technology
  - List of HEP VO members from national bodies
- Progress is limited due to security concerns
  - However most laboratories have visitor wireless systems
  - The “minimum service level” is still under discussion



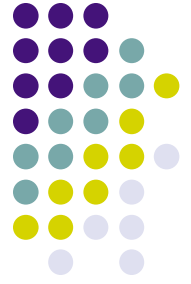
## Areas under discussion

- IHEPCCC sees a high level of duplication of software
  - A number of success stories (e.g. ROOT, Geant4)
- Reliance of commercial software is going down
  - Need for packages such as MatLab
  - Could we arrange a HEP license?
- Training and education
  - Encourage support of computing schools and development of web-based training or documentation



# IHEPCCC renewal

- First renew of IHEPCCC committee members
  - Renew or find new members
- Establish an executive committee
  - Work with the Chair on membership issues (including next Chair)
  - Advice on priorities and tasks
- Review our Mission statement
- General administration
  - Quarterly meetings (2 face-to-face)
  - Public web site (ICFA site at Fermilab)
    - [http://www.fnal.gov/directorate/icfa/Int'l\\_HEPCCC.html](http://www.fnal.gov/directorate/icfa/Int'l_HEPCCC.html)



# Future directions

- Review important technical issues
  - Annual HEPix presentation to IHEPCCC
- Networking and Digital Divide
  - Provide support to the ICFA Network Sub-committee (SCIC) under H.Newman
- Grid
  - There will be many flavours of Grid - encourage interoperability
- Review the topic of commercial software licensing
- Encourage development of existing and new common software
  - ROOT, Geant4, ...
  - Scientific Linux, dCache/CASTOR, ...
- Communications
  - Video and teleconferencing





## Summary

- IHEPCCC is a forum for our community to provide advice to the ICFA committee on computing issues
- IHEPCCC has completed two successful years and the membership is currently being renewed
  - Using this transition to review its mandate
- IHEPCCC will present a review of its activities at the next CHEP Conference