The Task Force on Cluster Computing (TFCC)

TFCC 2000 - Annual Report
(Activities since the last TAB meeting in Portland, Nov. 1999)

Rajkumar Buyya and Mark Baker
TFCC Co-Chairs

1. Web Presence

TFCC home page: http://www.ieeetfcc.org

Mirror sites:
UK: http://www.dcs.port.ac.uk/~mab/tfcc/
Web Master: R. Buyya

2. Major TFCC hosted Flagship Conferences and Events

1st IEEE International Workshop/Conference on Cluster Computing (Cluster 1999)
Melbourne, Australia
December 1999
Commercial and industrial sponsorship: HP, MPI-SoftTech, Compaq, Sun, ATIP, Genias, Monash, and DSTC.

2nd IEEE International Conference on Cluster Computing (Cluster 2000)
Details at http://www.clustercomp.org
Chemnitz, Germany, Nov 28-Dec. 1, 2000
Commercial and industrial sponsorship: Intel, Compaq, Dolphin, API, MPI SoftTech, Agilent, Synaps, Suse, TBZ-PARIV, NSF-Germany, and Fujitsu-Siemens.

1st IEEE/ACM International Workshop on Grid Computing (Grid 2000)
http://www.gridcomputing.org
Bangalore, India, December 17, 2000
Commercial and industrial sponsorship: C-DAC India, Gridware/Sun, Microsoft Research.

http://www.ccgrid.org
Brisbane, Australia, May 14-17, 2000
Commercial and industrial sponsorship: Platform, APAC, Intel, MPI-SoftTech, Sun, IBM, and Akamai,

3rd IEEE International Conference on Cluster Computing (Cluster 2001)
Details at http://www.clustercomp.org
Newport Beach, California, October 8-11, 2001

Other Meetings

Birds of a Feather meeting at SC2000,
Cluster Computing and the IEEE Task Force on Cluster Computing
Dallas, Texas, http://www.sc2000.org/,
Wednesday 8th November 2000
3. **Book Donation Program**
http://www.ieeetfcc.org/edupromote.html

Over 500 copies of books have been donated to faculties all over the world as part of Cluster Computing education promotion program in co-operation with many international publishers and authors.

4. **TFCC New (Biannual) Letter - April-Oct and Nov-March issues**
http://www.eg.bucknell.edu/~hyde/tfcc/

5. **ACM/LANL CoRR and TFCC – Cluster Computing Archive**
http://www.ieeetfcc.org/ClusterArchive.html

Computing Research Repository (CoRR) on Cluster Computing is an initiative of the TFCC in collaboration with the ACM, the Los Alamos e-Print archive, and NCSTRL (Networked Computer Science Technical Reference Library). The aim CoRR e-Print Archive is to promote science and technology by providing a information store house that is accessible to colleagues all over the world. This Internet-based digital library has been mirrored in many countries around the world to enable faster access to wealth of information.

This archive operates as part of the subject area called:

  Distributed, Parallel, and Cluster Computing

  Moderators: Rajkumar Buyya (Monash University) and Tushar Chandra (IBM)

6. **TFCC Body of Knowledge**

- M. Baker, R. Buyya, K. Hawick, H. James, and H. Jin, Cluster Computing R&D in Australia, , Asian Technology Information Program (ATIP), Japan/USA, April, 2000.

7. **TFCCs presence in many regions of the World.**

We have TFCC regional co-ordinators for Australia, Europe, US, India, Japan, Canada, South America, Africa, Hong Kong, China, Taiwan, Thailand, Israel, and Middle East. Each of these co-ordinators maintain their own TFCC regional Websites

8. **TFCC Awards**

We have presented volunteer services awards to TFCC newsletter editor and our first annual conference registration chair.

We will be awarding two best student paper awards in CCGrid 2001 symposium.

9. **New Volunteers**

Vice Chairs – Jack Dongarra (UTK, and ORNL) and Greg Pfister (IBM)

10. **TOP500 and TFCC Initiative on World’s TopClusters List**
http://www.TopClusters.org

Numeric, I/O, Web, Database, and Application level benchmarking of clusters.
11. TFCC oriented talks and tutorials

Talks

- Current and Emerging Trends in Cluster Computing, NAG Annual Seminar, Oxford University, September 21st 2000
- Message Passing with Java and the TFCC, Invited Seminar, Computer Science Dept, Cardiff University, Cardiff, March 2000.

Tutorials

2. Hot Topics in Cluster Computing and the Grid, Euro-Par 2000, Technical University of Munich (TUM), Germany, 29th August – 1st September, 2000
5. Cluster Computing. 8th International Conference on Advanced Computing and Communications, December 14-16, 2000, Cochin, India

12. TFCC Members

- Over 200? Registered members with the CS directly.
- 450 on the TFCC–Open Discussion Forum