ASIAN'02
7th Asian Computing Science Conference
Hanoi Sofitel Plaza
Hanoi, Vietnam
4-6 December 2002
Program

Wednesday December 4, 2002, morning

8:50	Opening Ceremony
	8:30 Registration and Arrival of Participants and guests
	8:50 Introduction by ASIAN'02 General Chair
	9:00 Address by Conference PC Chair (Alain Jean-Marie)
	9:10 Address by ASIAN Steering Committee (Gilles Kahn)
	9:20 Address by AIT President (represented by Prof Thanh)
	9:30 Opening Address by Prof Tran Van Nhung, Vice Minister of MOET
	10:00 General Chair invites participants for Coffee
10:00	Coffee Break
10:30	Contributed papers: **Parallel and distributed programming**
	Distributed Checkpointing on Clusters with Dynamic Striping and Staggering Hai Jin, Kai Hwang
	Shortcut Replay: A Replay Technique for Debugging Long-Running Parallel Programs Nam Thoai, Dieter Kranzlmuller, Jens Volkert
11:30	Contributed papers: **Graphs and Algorithms**
	On the list colouring problem Olivier Cogis, Jean-Claude König, Jérôme Palaysi
	On determining the Minimum Length Resolution Refutation of 2SAT and Extended 2SAT formulas K. Subramani
12:30	Lunch Break

Wednesday December 4, 2002, afternoon

14:00 Invited Talk

Shimojo Shinji
Automatic Composition mechanism with movie grammar.

15:00 Coffee Break

15:30 Contributed papers: **Caching**

Data Storage and Stream Caching for Video on Demand Servers
Putra Sumari, Hailiza Kamarulhaili

Analysis of Caching Mechanisms from Sporting Event Web Sites
Z. Liu, M.S. Squillante, C.H. Xia, S.-Z. Yu, L. Zhang, N.M. Malouch, P.M. Dantzig

Wednesday December 4, 2002, evening

19:30 Conference Dinner

Thursday December 5, 2002, morning

8:30 Invited Talk

Brigitte Plateau
The Grid: Challenges and Research Issues

9:30 Contributed papers: **Computational grids and cluster computing**

N-Body Problem on the ALiCE Grid System
Ho Dac Phuong, Teo Yong Meng

Experience and Practice of Developing a Brain Functional Analysis System using ICA on a Grid Environment
Takeshi Kaishima, Yuko Muzuno-Matsumoto, Susumu Date, Shinji Shimojo

10:30 Coffee Break

11:00 Contributed papers: **Grid Infrastructure**

A Scalable Approach to Network Enabled Servers
Philippe Combes, Frederic Lombard, Martin Quinson, Frederic Suter

A Server Selection Method based on Communication Delay and Communication Frequency among Users for Networked Virtual Reality Systems
Kazutoshi Fujikawa, Masato Hori, Shinji Shimojo, Hideo Miyahara

Towards an Application-aware Multicast Communication Framework for Computational Grids
M. Maimour, C. Pham

12:30 Lunch Break

Thursday December 5, 2002, afternoon

14:00 Invited workshop: Workshop on Southeast Asian Computing Research
17:00

Friday December 6, 2002, morning

9:00 Invited Talk

Alessandro Bassi
The Logistical Backbone: Scalable Infrastructure for Global Data Grids

10:00 Coffee Break

10:30 Contributed papers: **Network resource allocation and routing**

Dynamic Resource Allocation in Core Routers of a Diffserv Network
Rares Serban, Chadi Barakat, Walid Dabbous

Performance analysis of flow loss probability and link utilization
in MPLS networks for Traffic Engineering
Hitomi Tamura, Kenji Kawahara, Yuji Oie

Multiconstraint QoS Routing using a Path-Vector Protocol
Kitt Tientanopajai, Kanchana Kanchanasut

12:00 Lunch Break

Friday December 6, 2002, afternoon

13:30 Contributed papers: **Advanced Internet Applications**

Design and Implementation of a Web-based Internet Broadcasting System
on QoS Multicast Routers
Masatsugu Tonoike, Takaaki Komura, Kenji Fujikawa, Yasuo Okabe and Katsuo Ikeda

Web-based Middleware for Home Entertainment
Daiki Ueno, Ichiro Satoh, Kouta Soejima, Hiroo Ishiawa and Tatsuo Nakajima

MicroBill : An Efficient Secure System for Subscription based Services
R.K. Shyamasundar, Siddharth Deshmukh

15:00 Closing Address and Coffee Break