Welcome to ICS’02
New York City, USA

Dr. Kemal Ebcioglu, IBM
ICS’02 General Chair

Prof. Keshav Pingali, Cornell
Prof. Alex Nicolau, UC Irvine
ICS’02 Program Co-Chairs
The 16th Annual ACM International Conference on Supercomputing (ICS’02): Highlights

- 144 papers submitted, 31 accepted
  - 21.5% acceptance rate
  - ICS continuing to be a premier conference in supercomputing research
  - Hard work by program committee and referees
- Attendance significantly exceeds last year
- Sponsored by ACM SIGARCH
  - Corporate support from Intel and IBM
ICS’02: Highlights

- ICS being held for the first time in New York City
- Following a European model for big-city conference organization this year.
  - Conference held in a key University, not a hotel
    - Beautiful building architectures at the Columbia University Campus
  - Choice of multiple boutique hotels near Columbia
  - Student dormitories for low-cost student housing
  - 802.11b wireless Internet available at Columbia
ICS’02: Highlights

ICS’02 has ventured into some non-traditional topics in high performance computing:

- New focus areas in ICS’02 call for papers
  - Novel infrastructures for the Internet
  - Parallel I/O and storage
  - Grid computing, ...

- New focus areas in ICS'02 tutorials
  - InfiniBand, embedded wireless networking, low power processor design, energy management in server clusters, and analysis of large scale scientific applications.

- New focus areas in ICS'02 workshops
  - Self-healing systems, cache coherency and consistency, and performance optimization.
ICS’02: Highlights

- Social Program
  - A boat tour of New York Harbor (Monday)
  - Conference Banquet in Becco, a small Italian Restaurant in the Theater District (Tuesday)
- IBM will have an exhibit at ICS'02 (Tuesday)
  - Focusing on Autonomic Computing topics
    - Overcoming the complexity of IT through intelligent adaptation
  - Including live demonstrations of IBM research projects Oceano and AutoTune
- ICS’02 created a press release this year
  - Thanks to ACM
The ICS’02 Student Advocate

- Students are the future of the research field.
- We created a “Student Advocate” matrix management position at ICS’02:
  - Monitors all conference activities for ensuring we do the right thing for students…
  - About 10 student awards at ICS’02!
    - For the workshops and main technical program
    - ACM will provide one year free membership to winners
  - Student travel grants
    - Through SIGARCH and corporate support
    - Awards and grants to be announced during closing session Wednesday
  - Low-cost student housing at Columbia dormitories
  - Registration discounts for students
  - Student advocate: Gabby Silberman (Sid Chatterjee)
ICS’02 Keynotes

- Dr. Tetsuya Sato, Director-General of the Earth Simulator Center, Japan,
  - will report on the world’s fastest supercomputer and discuss the deeper implications of having such computational power.

- Dr. Alfred Z. Spector, Vice President, Services and Software, IBM Research,
  - will describe the IBM Autonomic Computing research vision.

- Dr. David Kuck, Intel Fellow and Director, Intel/KAI software lab,
  - will describe a vision about new approaches to supercomputing, made possible with commodity SMP hardware and highly evolved parallel software engineering tools.
ICS’02 Panels

- The future of high performance computing programming tools
  - Hans Zima, NASA JPL, panel chair

- Autonomous space missions (at NASA Jet Propulsion Laboratory)
  - Richard Doyle, NASA JPL, panel chair

- Dynamic data driven applications
  - Frederica Darema, NSF, panel chair
Thanks to:

- Local arrangements chair: Sam Midkiff, IBM
- Registration chair: Peng Wu, IBM
- Finance chair: Harini Srinivasan, IBM
- Webmaster: Paul Stodghill, Cornell
- Publicity chair: Eduard Ayguade, UPC Barcelona
- Student advocate: Gabby Silberman, IBM (Siddhartha Chatterjee, IBM)
- Tutorials chair: Liviu Iftode, Maryland
- Workshops chair: Rajiv Gupta, Arizona
- Exhibits chair: Lawrence Rauchwerger, Texas A&M
- University of Columbia liaison: Jason Nieh, Columbia
- Panel organization chair: Hans Zima, NASA JPL
- Publications chair: Manish Gupta, IBM
- Alex Veidenbaum and the ICS Steering Committee
- Helene Croft, Cornell
- The Volunteers! Nishith Krishnan, Haoqiang Zheng, Gang Ren, Joe Gagliano, Lenoid Zheleznyak, Ying Hu, Ezgi Yalcin, Utku irmak,...
Thank you for coming. Enjoy the City!

Times Square, New York City
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