

# Call for Papers

## I-SPAN 2005

### The 8th International Symposium on Parallel Architectures, Algorithms, and Networks

December 7-9, 2005

Las Vegas, Nevada, USA

URL: <http://sigact.acm.org/ispan05>

---

#### Organized by:

University of Nevada, Las Vegas and the Center for the Advanced Study of Algorithms (CASA)

#### Scope of symposium:

The International Symposium on Parallel Architectures, Algorithms, and Networks (I-SPAN) is a forum for scientists, engineers, and practitioners throughout the world to exchange ideas and research results related to the design, use, analysis, and application of parallel architectures, algorithms, networks, and internet technology.

#### The first seven symposia were held:

- I-SPAN 1994: in Kanazawa, Japan, on December 14-16, 1994
- I-SPAN 1996: in Beijing, China, on June 12-14, 1996
- I-SPAN 1997: in Taipei, Taiwan, on December 18-20, 1997
- I-SPAN 1999: in Perth/Fremantle, Australia, on June 23-25, 1999
- I-SPAN 2000: in Dallas/Richardson, Texas, USA, on December 7-9, 2000
- I-SPAN 2002: in Manila, the Philippines, on May 23-25, 2002
- I-SPAN 2004: in Hong Kong on May 10-12, 2004

The 8th I-SPAN symposium will be held in Las Vegas, Nevada, USA, on December 7-9, 2005.

Las Vegas is a city that has something for everyone. While you are here, make sure to see all the great attractions the city of Las Vegas has to offer. Recognized all over the world, our famous Strip is where tourists can enjoy a walk in the warm desert evening, or take a stroll downtown and view a dazzling light show that spans an entire street — the Fremont Street Experience. You can also get a glimpse of amazing world famous re-creations like erupting volcanoes, the Eiffel Tower and the Sphinx of Egypt.

Las Vegas offers top quality entertainment, attractions, shopping and world-renowned resorts. Las Vegas nightlife will keep you up until dawn and art displays, music and museums take you on a journey from the classic to the contemporary. Downtown Las Vegas offers an energetic display of color with a bit of nostalgia and a glimpse of the future.

I-SPAN 2005 will include keynote addresses, invited/contributed papers, workshops, and special sessions on on-going projects on high-performance computing and/or communications.

#### The symposium will have four tracks:

- o Algorithms and Applications
- o Architectures and Systems
- o Networks and Communications
- o Internet technology

#### Relevant topics include (but are not limited to) the following:

- o Applications of Parallel Processing (including web applications, peer to peer computing, grid computing and scientific applications)
- o ATM Architecture and Networks
- o Bioinformatics and Computational Biology
- o Compilers and Optimizations for Parallel Processing
- o Database and Data Mining
- o Fault Tolerance Issues and Systems
- o Intelligent Networks
- o Interconnection Networks
- o Internet and WWW Measurement, Mapping and Modeling
- o Internet Technology and Applications
- o Multicasting and Broadcasting Issues
- o Multimedia Networking
- o Network Routing and Communication Algorithms (wired, wireless, ad-hoc, etc.)
- o Network Security Applications
- o Parallel and Network Computing and Algorithms
- o Parallel Architecture and Processing Systems
- o Scientific and High Performance Computing
- o Telecommunication Network Design and Optimization
- o VLSI Network Design
- o Wireless Networks and Mobile Computing

#### Important Dates for Authors

Workshop Proposal Submissions	:	September 1, 2005
Deadline for Submission of Papers	:	July 1, 2005
Notification of Acceptance	:	September 1, 2005
Camera Ready Manuscript Due	:	October 1, 2005
Advanced Registration for Authors	:	October 1, 2005

For further information please send e-mail to: [bein@cs.unlv.edu](mailto:bein@cs.unlv.edu)

## Submission Guidelines

Please submit your complete paper(s) to the Program Committee Vice-Chair (VC) whose track is most relevant to your paper's subject. If you are not sure or your paper has a cross-track nature, send the paper to the Program Committee Chair. Authors are invited to submit 10-page extended abstracts by 5:00pm EDT, July 1, 2005 and must submit through the SIGACT electronic submission server. A detailed description of the electronic submission process is available at [http://sigact.acm.org/ispan05/author\\_resources.html](http://sigact.acm.org/ispan05/author_resources.html). The results presented in the paper must be unpublished and not submitted for publication elsewhere, including the proceedings of other conferences or workshops. One author of each accepted paper will be expected to present the paper at the conference. The proceedings of the conference and the workshops will be published by the IEEE Computer Society Press.

---

---

## Chairs/Committees

---

---

### General Chair

Wolfgang W. Bein  
University of Nevada, Las Vegas, NV, USA  
Email: [bein@cs.unlv.edu](mailto:bein@cs.unlv.edu)

### Program Committee Co-Chairs

Francis Y.L. Chin  
University of Hong Kong, Pokfulam, Hong Kong  
Email: [chin@cs.hku.hk](mailto:chin@cs.hku.hk)

Michael A. Palis  
Rutgers University, Camden, NJ, USA  
Email: [palis@crab.rutgers.edu](mailto:palis@crab.rutgers.edu)

### Program Committee Vice-Chairs

#### Algorithms and Applications

Friedhelm Meyer auf der Heide  
University of Paderborn, Germany  
Email: [fmadh@uni-paderborn.de](mailto:fmadh@uni-paderborn.de)

#### Architecture and Systems

Susumu Horiguchi  
Tohoku University, Sendai, Japan  
Email: [susumu@ecei.tohoku.ac.jp](mailto:susumu@ecei.tohoku.ac.jp)

#### Networks and Communications

Isaac Scherson  
University of California, Irvine, CA, USA  
Email: [isaac@ics.uci.edu](mailto:isaac@ics.uci.edu)

#### Internet Technology

Chung-Ta King  
National Tsing Hua University, Hsin-chu, Taiwan, ROC  
Email: [king@cs.nthu.edu.tw](mailto:king@cs.nthu.edu.tw)

### Workshop Co-Chairs

Hal Sudborough  
University of Texas at Dallas, Richardson, TX, USA  
Email: [hal@utdallas.edu](mailto:hal@utdallas.edu)

Francis C.M. Lau  
University of Hong Kong, Pokfulam, Hong Kong  
Email: [fcmlau@cs.hku.hk](mailto:fcmlau@cs.hku.hk)

### Local Chair

Lawrence L. Larmore  
University of Nevada, Las Vegas, NV, USA  
Email: [larmore@cs.unlv.edu](mailto:larmore@cs.unlv.edu)

### International Program Committee

Yeh-Ching Chung, National Tsing Hua Univ., Taiwan, ROC  
Jean-Luc Dekeyser, Universite de Lille, France  
Arjan Duresi, Louisiana State University, USA  
Omer Egecioglu, University of California, Santa Barbara, USA  
Thomas Fahringer, University of Innsbruck, Austria  
Guang R. Gao, University of Delaware, USA  
Vladimir Getov, University of Westminster, UK  
Dr. Dan Grigoras, University College, Cork, Ireland  
Minyi Guo, University of Aizu, Japan  
Kei Hiraki, Tokyo University, Japan  
Tsan-sheng Hsu, Academia Sinica, Taiwan, ROC  
Clinton L. Jeffery, New Mexico State University, USA  
Hai Jin, Huazhong Univ. of Science and Technology, China  
Daniel S. Katz, Jet Propulsion Laboratory, USA  
Myung Kim, Ewha Womans University, Seoul, Korea  
Chin-Laung Lei, National Taiwan University, Taiwan, ROC  
Jie Li, University of Tsukuba, Japan  
Yamin Li, Hosei University, Japan  
Yen-Chun Lin, National Taiwan University of Science and Technology, Taiwan, ROC  
Teo Yong Meng, National University of Singapore, Singapore  
Christine Morin, IRISA/INRIA- Rennes, France  
Koji Nakano, Hiroshima University, Japan  
Alex Nicolau, University of California, Irvine, USA  
John Noga, California State University, Northridge, USA  
Andrea Pietrecaprina, University of Padova, Italy  
Rajmohan Rajaraman, Northeastern University, USA  
Omer F. Rana, Cardiff University, UK  
Ruediger Reischuk, Universitaet zu Luebeck, Germany  
Rizos Sakellariou, University of Manchester, UK  
Christian Scheideler, Johns Hopkins University, USA  
Christian Schindelhauer, University of Paderborn, Germany  
Peter Schulthess, Universitat Ulm, Germany  
Assaf Schuster, Technion, Israel  
Hong Shen, JAIST, Kanazawa, Japan  
Steve Tate, University of North Texas, USA  
Andrei Tchernykh, CICESE Research Center, Mexico  
Alexandre Tiskin, University of Warwick, UK  
Philippas Tsigas, Chalmers University, Sweden  
Cho-li Wang, University of Hong Kong, Hong Kong  
Jia-Shung Wang, National Tsing Hua Univ., Taiwan, ROC  
Masafumi Yamashita, Kyushu University, Fukuoka, Japan  
Hyun-Soo Yoon, KAIST, Korea  
Albert Y. Zomaya, University of Sydney, Australia

### Organizing Committee

Wolfgang W. Bein  
Univ. of Nevada, Las Vegas, NV, USA  
Email: [bein@cs.unlv.edu](mailto:bein@cs.unlv.edu)

D. Frank Hsu  
Fordham University, New York, USA  
Email: [hsu@cis.fordham.edu](mailto:hsu@cis.fordham.edu)

Oscar H. Ibarra  
Univ. of California, Santa Barbara, CA, USA  
Email: [ibarra@cs.ucsb.edu](mailto:ibarra@cs.ucsb.edu)