

# Call for Papers

## ISC2005 Award sponsored by IBM

The International Supercomputer Conference, the leading supercomputing event in Europe, will celebrate its 20th anniversary in 2005 as the premier venue for gaining an international perspective in the field of HPC. Combining a strong lineup of technical experts with exhibits from leading supercomputing centers, as well as hardware and software vendors, ISC presents state-of-the-art applications, architectures and trends in supercomputing.

### Goal of the Award

The ISC Award will reward and promote those people who have distinguished themselves through state-of-the-art projects in any of the three fields requiring high performance computing listed below.

### Topics

Topics for which contributions are solicited:

1. **Tools and Techniques for Code Optimization on HPC Systems**
2. **Data Management on Distributed Systems and Grids**
3. **High Performance I/O**

### Contributions

Contributions in English are solicited. Extended abstracts of not less than four pages should be submitted in electronic form to the Chairman of the Award Committee (Michael Resch, HLRS, Germany, resch@hlrs.de) by **February 21st, 2005**. Formats can be either Acrobat .pdf or Word .doc.

Abstracts should clearly describe the contents of the contribution. The relevance and originality of the contribution must be stated and important references included. The preferred **topic area** has to be indicated. The Award Committee will choose one contribution for each topic for an award. Winners will present their contribution as part of the technical program of ISC2005.

### Deadlines

Extended Abstracts: **February 21st, 2005**

Notification: **April 2005** contributors will be informed about the committee decision

### Prizes

The prizes in 2005 are entirely sponsored by IBM. All three winners will be awarded a two-way rack mountable IBM eServer OpenPower system fully configured as a building block for a cluster. IBM announced Linux on Power in January 2004, and in March 2004 opened the Power architecture to the industry to increase innovation. OpenPower takes that innovation a step further by combining the only open microprocessor in the industry with the open operating system developed by the technology community. Authors of the winning papers will also receive round-trip transportation (economy class) to the ISC2005 conference in Heidelberg and complimentary registration for the conference. (Winners will be responsible for the cost of their accommodations at the conference.)

### Proceedings

All contributions will be refereed. Winning contributions presented at the conference will be published in the conference proceedings.

### Award Committee

Arndt Bode, TU Munich, Germany

Jack Dongarra, UTK, USA

Alan Gara, IBM, USA

Pierre Leca, CEA, France

Thomas Ludwig, Univ. of Heidelberg, Germany

Ron Perrott, Univ. of Belfast, UK

Michael Resch, HLRS, Germany (Chairman)

Satoshi Sekiguchi, AIST, Japan

Horst Simon, NERSC, USA