The International Workshop on OpenMP is an annual series of workshops dedicated to the promotion and advancement of all aspects focusing on parallel programming with OpenMP. OpenMP is now a major programming model for shared memory systems from multi-core machines to large scale servers. Recently, new ideas and challenges are proposed to extend OpenMP framework for adopting accelerators and also exploiting parallelism beyond loop levels. The workshop serves as a forum to present the latest research ideas and results related to this shared memory programming model. It also offers the opportunity to interact with OpenMP users, developers and the people working on the next release of the standard. The 2010 International Workshop on OpenMP (IWOMP 2010) will be held in the high-tech city of Tsukuba, Japan.

The workshop IWOMP 2010 will be a three-day event. In the first day, tutorials are provided for focusing on topics of interest to current and prospective OpenMP developers, suitable for both beginners as well as those interested in learning of recent developments in the evolving OpenMP standard. The second and third day will consist of technical papers and panel session(s) during which research ideas and results will be presented and discussed.

Technical Paper Submission and Publication

We solicit submissions of unpublished technical papers detailing innovative, original research and development related to OpenMP. All topics related to OpenMP are of interest, including OpenMP applications in any domain (e.g., scientific computation, video games, computer graphics, multimedia, information retrieval, optimization, text processing, data mining, finance, signal and image processing and numerical solvers), OpenMP performance analysis and modeling, OpenMP performance and correctness tools and proposed OpenMP extensions.

Advances in technologies, such as multi-core processors and accelerators (e.g., GPGPU, FPGA), the use of OpenMP in very large-scale parallel systems, and recent developments in OpenMP itself (e.g., tasking) present new opportunities and challenges for software and hardware developers. IWOMP 2010 solicits submissions that highlight OpenMP work on these fronts.

As in previous years, IWOMP 2010 will publish formal proceedings of the accepted papers in Springer Verlag's LNCS series. Submitted papers for review should be limited to 12 pages. Authors of accepted papers will be asked to prepare a final paper of up to 15 pages. Relevant deadlines are provided under “Important Dates” in this CFP.

Important Dates

- Paper submission deadline: January 15 (Fri), 2010
- Notification of acceptance: March 8 (Mon), 2010
- Camera-ready version of paper due: March 26 (Fri), 2010
- Tutorial and Workshop in Tsukuba: June 14-16, 2010