Preface

This book contains the presentations given at the Workshop on OpenMP Applications and Tools, WOMPAT 2001. The workshop was held on July 30 and 31, 2001 at Purdue University, West Lafayette, Indiana, USA. It brought together designers, users, and researchers of the OpenMP application programming interface. OpenMP has emerged as the standard for shared memory parallel programming. For the first time, it is possible to write parallel programs that are portable across the majority of shared memory parallel computers. WOMPAT 2001 served as a forum for all those interested in OpenMP and allowed them to meet, share ideas and experiences, and discuss the latest developments of OpenMP and its applications. WOMPAT 2001 was co-sponsored by the OpenMP Architecture Review Board (ARB). It followed a series of workshops on OpenMP, including WOMPAT 2000, EWOMP 2000, and WOMPEI 2000.

For WOMPAT 2001, we solicited papers formally and published them in the form of this book. The authors submitted extended abstracts, which were reviewed by the program committee. All submitted papers were accepted. The authors were asked to prepare a final paper in which they addressed the reviewers comments. The proceedings, in the form of this book, were created in time to be available at the workshop. In this way, we hope to have brought out a timely report of ongoing OpenMP-related research and development efforts as well as ideas for future improvements.

The workshop program included the presentations of the 15 papers in this book, two keynote talks, a panel discussion, and the founding meeting of an OpenMP users' group. The keynote talks were given by David Padua, University of Illinois, entitled "OpenMP and the Evolution of Parallel Programming", and by Larry Meadows, Sun Microsystems, entitled "State of the OpenMP ARB", respectively. The panel was entitled "OpenMP Beyond Shared Memory".

As WOMPAT 2001 was being prepared, the next OpenMP workshop had already been announced, called EWOMP 2001, to be held in Barcelona, Spain. This only adds to the evidence that OpenMP has become a true standard for parallel programming, is very much alive, and is of interest to an increasingly large community.

July 2001   Rudolf Eigenmann

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