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This volume presents the accepted papers for the 4th International Conference on Grid and Cooperative Computing (GCC2005), held in Beijing, China, during November 30 – December 3, 2005. The conference series of GCC aims to provide an international forum for the presentation and discussion of research trends on the theory, method, and design of Grid and cooperative computing as well as their scientific, engineering and commercial applications. It has become a major annual event in this area. The First International Conference on Grid and Cooperative Computing (GCC2002) received 168 submissions.

GCC2003 received 550 submissions, from which 176 regular papers and 173 short papers were accepted. The acceptance rate of regular papers was 32%, and the total acceptance rate was 64%. GCC 2004 received 427 main-conference submissions and 154 workshop submissions.

The main conference accepted 96 regular papers and 62 short papers.

The acceptance rate of the regular papers was 23%. The total acceptance rate of the main conference was 37%. For this conference, we received 576 submissions. Each was reviewed by two independent members of the International Program Committee. After carefully evaluating their originality and quality, we accepted 57 regular papers and 84 short papers. The acceptance rate of regular papers was 10%. The total acceptance rate was 25%.

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