



Message from the Director

During these five years since March of 2002 when the Earth Simulator (ES) started its operation, the circumstances surrounding the ES have been drastically changed. The United States Government made a detailed analysis of the future direction of supercomputer technologies and demands, and has invested a fairly big amount of money to develop multi-core-chip High Performance Computers (HPC).

The Japanese Government is also developing the next-generation Peta-scale supercomputer which will be installed in Kobe. Even at the present time when the ten times bigger HPC in the theoretical speed, called Blue Gene Light, is operating at LLNL, the Earth Simulator yet holds its superiority to other computers in actual application performance.

I believe that readers could find its actual productivity and superiority of the Earth Simulator in this report in which the fifth year's activities of the projects accepted for the fifth year of the ES Projects are presented.

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