Overview of Solid Earth Simulator Project

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A joint project of Earth science and computer science, called Solid Earth Simulator Project, has started in 1998 as a subproject of Earth Simulator Project promoted by Science and Technology Agency of Japan. The aim of this project is to develop a computer simulation software for quantitative understanding of dynamics in the Earth's interior and forecasting crustal activity in and aroud Japan. The Solid Earth Simulator Project consists of the following four programs; Core-Mantle Dynamics Modelling Program, Crustal Activity Modelling Program, Earthquake Generation and Strong Motion Modelling Program, and Multi-Purpose FEM Code Development Program called Geo-FEM. In this presentation the present status and the ultimate goal of each program will be introduced.