

The 16th International Seminar on Experiments and Surveys in Economics and Related
Social Sciences

Date: September 25 2008(Thu), 18:00~19:30

Venue: W-9 Building, 2nd floor, Room #204, Ookayama-campus

On the Use of Supercomputers in Economics

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[Abstract]

Numerical analysis with intensive use of computers has been increasingly popular in economic research. The aim of this talk is to introduce the main idea of computational research in economics to wider audience. It consists of two parts. The first part discusses how economic problems are formulated so as to fit with numerical analysis. In the second part, I explain it is important to find the parallel structure in computation of economic models to make use of supercomputers with an MPI (Message Passing Interface) environment. I also stress that the computer environment at Tokyo Tech (symbolized by the phrase “the supercomputer for everyone”) is advantageous in doing computational research not only in traditional social sciences such as economics but in interdisciplinary fields as well.

Moderator: Noboru Hidano