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Author	土居, 範久(Doi, Norihisa) 原田, 賢一(Harada, Kenichi)
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# On Time-Sharing System

Norihisa DOI\*

Kenichi HARADA\*\*

Time-sharing may be defined as the simultaneous use or sharing of a computer by a number of users. During the last few years a great deal of attention has been paid to the subject of on-line real-time systems, particularly those involving the general purpose time-sharing systems. The motivation for time-shared computer usage arises out of the slow man-computer interaction rate. At first we studied some systems that have been developed in U. S. A., thereby we researched what time-sharing system should be.

And then we developed the experimental time-sharing system with TOSBAC-3400, named KEIO system. In our system, to use the equipment more efficiently and more economically, and to increase the flexibility and convenience of the system, we established the following policies : immediate error diagnostics, program alteration without recompiling, ready availability of the source version of the user program, dynamic relocatability of user's programs, and so on. Though the compiler has been made to be pure procedure, the compiler used so far can be attached to the system, which involves the current batch processing system as subset.

\*土 居 範 久

\*\*原 田 賢 一