PROJECT MAC   July 18, 1974

Computer Systems Research Division   Request for Comments No. 57

CSR PUBLICATIONS, TALKS, and THESES, JULY 1973 TO JUNE 1974
by J. H. Saltzer

        Each year Project MAC publishes an annual report that includes
a list of publications, theses, and talks given. On the following two
pages I have collected together all such that I know about. Please
let me know of any corrections or possible additions.

July 11, 1974

Publications

Multics Programmers' Manual, Part I (Introduction), Revision 14,
    September 30, 1973.

Multics Programmers' Manual, Part II (Reference Guide), Revision 15,
    November 30, 1973.

Saltzer, J. H., "A Simple Linear Model of Demand Paging Performance,"
    Comm. ACM 17, 4 (April, 1974), pp. 181-186.

Schroeder, M. D., "Proceedings of the ACM SIGPLAN/SIGOPS Interface Meeting,"
    SIGPLAN Notices 8, 9 (September, 1973), (editor with R. M. Graham).

Schroeder, M. D., "A Brief Report on the SIGPLAN/SIGOPS Interface Meeting,"
    Operating Systems Review 7, 3 (July, 1973), pp. 4-9.

Technical Reports Published

Rotenberg, L. J., "Making Computers Keep Secrets," Project MAC Technical
    Report TR-115 (Ph.D. thesis, M.I.T. Department of Electrical Engineering,
    June, 1973).

Stern, J. A., "Backup and Recovery of On-Line Information in a Computer
    Utility," Project MAC Technical Report TR-116 (E.E. thesis, M.I.T.
    Department of Electrical Engineering, August, 1973).

Clark, D. D., "An Input/Output Architecture for Virtual Memory Computer
    Systems," Project MAC Technical Report TR-117 (Ph.D. thesis, M.I.T.
    Department of Electrical Engineering, August, 1973).

"Introduction to Multics," Project MAC Technical Report TR-123, November, 1973.

Greenberg, B. S., "An Experimental Analysis of Program Reference Patterns
    in the Multics Virtual Memory," Project MAC Technical Report TR-127
    (S.M. thesis, M.I.T. Department of Electrical Engineering, January, 1974).

Frankston, R. M., "The Computer Utility as a Marketplace for Computer
    Services," Project MAC Technical Report TR-128 (E.E. thesis, M.I.T.
    Department of Electrical Engineering, January, 1974).

Janson, P. A., "Removing the Dynamic Linker from the Security Kernel of a
    Computing Utility," Project MAC Technical Report TR-132 (S.M. thesis,
    M.I.T. Department of Electrical Engineering, May, 1974).

Other Theses Completed

Gumpertz, R. H., "The Design and Fabrication of an ARPA Network Interface,"
    S.B. thesis, M.I.T. Department of Electrical Engineering, July, 1973.

Scheffler, L. J., "Performance Evaluation of Rotating Disk Subsystems in
    Multiprogrammed Computer Systems," E.E. thesis, M.I.T. Department of
    Electrical Engineering, June, 1974.

Benedict, G. G., "An Enciphering Module for Multics," Project MAC Technical
    Memoradum TM-50 (S.B. thesis, M.I.T. Department of Electrical
    Engineering, June, 1974).

Theses Completed, continued

Goulet, L. J., "A Dynamic Peripheral Allocation Scheme Between Identical
Processors," S.B. thesis, M.I.T. Department of Electrical Engineering,
May, 1974.

Vogel, D. A., "Manufacturing Technical Data Systems," S.B. thesis, M.I.T.
Department of Electrical Engineering, June, 1974.

Theses in Progress

Bratt, R. G., "Removing Name Space Management from the Security Kernel of
a Computer Utility," S.M. thesis, M.I.T. Department of Electrical
Engineering, expected date of completion, December, 1974.

Reed, D. P., "A Simple Implementation of Processes as a Basis for a Certifiable
Computer Utility," S.M. thesis, M.I.T. Department of Electrical
Engineering, expected date of completion, January, 1975.

Bishop, P. B., "Very Large Address Space Modularly Extensible Computer Systems,"
Ph.D. thesis, M.I.T. Department of Electrical Engineering, expected
date of completion, June, 1975.

Talks and Presentations

Saltzer, J. H., "Engineering Insights Based on Experience with Multics,"
series of six lectures given at the Technion International Summer School
on Time-Sharing, Haifa, Israel, July 8-10, 1974.

Saltzer, J. H., "Protection and the Control of Information Sharing in Multics,"
presented at the Fourth ACM Symposium on Operating System Principles,
Yorktown Heights, New York, October 15-17, 1973.

Thomas, E. L., "Proposed ARPA Network Graphics Protocol," presented at the
Workshop on Machine-Independent Graphics, National Bureau of Standards,
Gaithersburg, Maryland, April 22-23, 1974.

Pogran, K. T., "Using Multics ARPA Network Software," presented at the
University of Illinois Center for Advanced Computation, October 25-26, 1973.

ARPA Network Committee memberships

Padlipsky, M. A.: User Interest Group (USING) and subcommittees.

Thomas, E. L.:   ARPA Network Graphics Group

Pogran, K. T.:   ARPA Network Graphics Group,
                   ARPA Network Terminal System Steering Committee,
                   File Transfer Protocol Committee.