**Home**   **Bibliography**   **Discussions**   **Documents**   **Images**   **Links**   **Manuals**   **Myths**

# MTS bibliography

**Additional contributions welcome.** Send contributions to jeff.ogden@umich.edu or gavin.eadie@umich.edu.

This Web page started with the file **\*MTSBibliography** from August 1984, links to online sources were added, and a few additions made. The additions are marked with a dagger (†).

Not included here are the various manuals, memos, newsletters, and workshop proceedings published by the MTS Consortium sites. Information about some of these items can be found in the "Manuals and documentation" section of the original Michigan Terminal System Archive Web site.

### Published Literature on the Michigan Terminal System (MTS)

- Alderson, A., Lynch, W.C. and Randell, B., "Thrashing in a Multiprogrammed Paging System", In *Operating Systems Techniques*, Hoare, C.A.R. and Perrott, R.H. (eds.), pp 152-167, APIC Studies in Data Processing, Academic Press, 1972, ISBN 0-12-350650-6.
- Alexander, M.T., "Organization and Features of the Michigan Terminal System", *AFIPS Conference*, Proceedings, 1972 Spring Joint Computer Conference, pp. 585-588.
- Alexander, M. T., "Time-Sharing Supervisor Programs", In *Advanced Topics in Systems Programming*, University of Michigan Engineering Summer Conference 7016, 1970 (revised 1971).
- Anderson, William J. and Sandstorm, Robert E., "MSC/NASTRAN at the University of Michigan", *Proceedings of Conference on Finite Element Methods and Technology*, Pasadena, California, USA, March, 1982. †
- Arden, B., and Boettner, D., "Measurement and Performance of a Multiprogramming System", In *2nd ACM Symposium on Operating Systems Principles*, Proceedings, pp. 130-146, October 1969.
- Arden B. W., Galler, B. A., O'Brien, T. C., Westervelt, F. H., "Program and Addressing Structure in a Time-Sharing Environment", *Journal of the ACM (JACM)*, v.13 n.1, p.1-16, Jan. 1966. †
- Barnett, J. K. R., "The design of an inter-task communication scheme", *Software: Practice and Experience*, Volume 10, Issue 10, pp. 801–816, October 1980. †
- Blinn, James F. and Fronczak, Edward J., "Internal Design of the University of Michigan Audio Response System for the Generation of Segmental Phonemes from Text", *Proceedings of the International Computer Symposium 1975*, pp. 404-10, Vol. 1, August 1975. †
- Blinn, James, and Goodrich, Andrew, "The Internal Design of the IG Routines, an Interactive Graphics System for a Large Timesharing Environment", In *SIGGRAPH*, Proceedings, pp. 229-234, 1976.
- Boettner, Donald W., "Command (Job Control) Languages for General Purpose Computing Systems", In *Advanced Topics in Systems Programming*, University of Michigan Engineering Summer Conference 7016, 1969. †
- Boettner, Donald W. and Alexander, Michael T., "MTS - The Michigan Terminal System", *ACM SIGOPS Operating Systems Review*, Volume 4, Issue 4 (December 1970) †
- Boettner, D.W., and Alexander, M.T., "The Michigan Terminal System", In *IEEE Proceedings, Special Issue on Interactive Computer Systems*, pp. 912-918, June 1975.
- Canning, Christine and Swift, Karen, "Connecting the University and the Field of Practice", pp.1-33 In *Empowering networks: computer conferencing in education*, Waggoner, Michael, Editor, Educational Technology Publications, Englewood Cliffs, New Jersey, USA, 1992. †
- Carnahan, B. and Wilks, J. O., *Introduction to digital computing and FORTRAN IV with MTS applications*, University of Michigan, 1968 and 1971 †
- Chanson, S.T., and Bishop, Craig, University of British Columbia, "A Simulation Study of Adaptive Scheduling Policies in Interactive Computer Systems", In *ACM SIGMETRICS, Performance Evaluation Review*, Vol.6, No. 3, pp. 33-39, 1977. †

- Conklin, L. R., [A study into the problem of deadlock systems with emphasis on allocation of serially reusable resources](#), Master's thesis, Naval Postgraduate School, Monterey, CA., June 1973, 53 pp. †
- Cooke, Michael and Gray, William Alexander, "[A Redesigned Record Structure for the Newcastle File Handling System](#)", *Program: electronic library and information systems*, Vol. 7 Issue 1, pp.1-23, 1993. †
- Crawford, G., University of Alberta, "Publishing, Word Processing and TEXTFORM", in Canadian Information Processing Society (CIPS) Session '78 Proceedings, pp. 88-92, 1978. †
- Emery, Allan R., and Alexander, M.T., "A Performance Comparison of the Amdahl 470V/6 and the IBM 370/168", Paper read at meeting of the Computer Measurement Group, October 1975, San Francisco, California.
- Fronczak, Edward J., "The ADP Voice Response Interface System and Speech Synthesis Facility", In *The Third USA-Japan Computer Conference*, Proceedings, pp. 231-235, October 1978.
- Fronczak, Edward J., and Blinn, James F., "Internal Design of the University of Michigan Audio Response System for the Generation of Segmental Phonemes from Text", In *Proceedings of the International Computer Symposium 1975*, pp. 404-410, Vol. 1, August 1975.
- Fronczak, Edward J., "The University of Michigan Audio Response System and Speech Synthesis Facility", In *The Second USA Japan Computer Conference*, Proceedings, pp. 380-384, 1975.
- Fronczak, Edward J., "The University of Michigan Plot Description System and Post-Processing Facilities", In *The First USA Japan Computer Conference*, Proceedings, pp. 334-340, 1972.
- Galler, B. A., et. al., [" CRISP: An interactive student registration system"](#), pp. 283-289 In *Proceedings of the ACM annual conference, 1973*, Atlanta, Georgia, USA. Also [available as a PDF](#). †
- Hall, Ronald H., University of British Columbia. "IF: An Interactive Fortran Compiler," in *Proceedings of SHARE 41*, Miami, FL, Vol. I, pp. 212-218, August 15, 1973. †
- Harding, L.J. Jr., "Idiosyncracies of system 360 floating point", presented at SHARE XXVII, Toronto, Ontario, Canada, 1966. †
- Harding, L.J. Jr., "Modications of System/360 foating-point", *SHARE Secretarial Distribution 157*, pp. 11-27, 1966. †
- Hebbard, B., et al., ["A Penetration Analysis of the Michigan Terminal System"](#), *ACM Operating Systems Review*, pp. 7-20, Vol. 14, No. 1, January 1980.
- Hesselbart, John C., ["FOIL–a file-oriented interpretive language"](#), pp.93-98 In *Proceedings of the 23rd ACM national conference*, 1968. †
- Hinson, Elvert F., [A Comparative Study of the Michigan Terminal System (MTS) with Other Time Sharing Systems for the IBM 360/67 Computer](#), Master's thesis, Naval Postgraduate School, Monterey, CA., December 1971 †
- Hunter, J. Alan and Hall, Nigel F., ["A network screen editor implementation"](#), pp. 843-856 In Software: Practice and Experience, Vol.12, Issue 9, September 1982. †
- Jeffreys, A.E., (1993) "[Newcastle university library serials catalogue](#)", Program: electronic library and information systems, Vol. 12 Iss: 4, pp.175 - 184. †
- Koning, Steven M., "[Computer conference and message systems: Their use in a university computer center](#)", pp.208-215 In *Proceedings of the 9th annual ACM SIGUCCS conference on User services*, 1981. †
- Lancaster, Alexander E., Jr., [*Implementation of the Page Fault Frequency Replacement Algorithm*, Master's thesis, Naval Postgraduate School](#), Monterey, CA., June 1973, 43pp. †
- Landwehr, Carl E., ["Usage statistics for MTS"](#), *ACM SIGMETRICS Performance Evaluation Review*, Vol. 4, Issue 2 (April 1975), pp.13-23. †
- Leece, J. and Parker, "[Use and misuse of SPSS](#)", *Software: Practice and Experience*, Volume 8, Issue 3, pp. 301–311, May/June 1978. †
- Lynch, W. C., "Do disk arms move?", In ACM SIGMETRICS Performance Evaluation Review, pp.13-23, vol.1, issue 4, December 1972). †
- McCord, Alan, "[Uses of CONFER at Wayne State University](#)", *CHI '81 Proceedings of the joint conference on Easier and more productive use of computer systems*. (Part - II): Human interface and the user interface, Volume 1981. †
- Mills, D . L ., ["Preprocessors in a data communication computer environment"](#), In *ACM Symposium on Problems in the Optimization of Data Communication Systems, Proceedings*, pp.

291-316, October 1969.

- Moss, James L., "Renaissance Rensselaer", In *ACM SIGUCC Newsletter*, Vol.9 No.2, 1979, pp. 14-17. ✝
- Nightingale, Jon H., University of British Columbia Computing Centre, "Establishing a computing assistance centre", in SIGUCCS '88 Proceedings of the 16th annual ACM SIGUCCS Conference on User Services, 1988, pp. 165-171. ✝
- Parnes, Robert, "Learning how to confer: The interplay of theory and practice in computer conferencing", In *CHI '81 Proceedings of the joint conference on Easier and more productive use of computer systems*. (Part - II): Human interface and the user interface, Volume 1981. ✝
- Patterson, Diana, "UBC FMT" in Formatters/editors, *ACM SIGDOC Asterisk Journal of Computer Documentation*, Volume 3, Issue 5, pp. 11-12, October 1976. ✝
- Pinkerton, T.B., "Performance Monitoring in a Time-sharing System", *Communications of the ACM*, 12:608-610. November 1969.
- Pirkola, Gary C., "A File System for a General Purpose Time-Sharing Environment", In *IEEE Proceedings, Special Issue on Interactive Computer Systems*, June 1975.
- Pirkola, Gary C., and Sanguinetti, John, "The Protection of Information in a General Purpose Time-Sharing Environment", In *IEEE Symposium, Trends and Applications 1977: Computer Security and Integrity*, Proceedings, pp. 106-114.
- Roistacher, Richard C., "Third party consulting in the network environment", *CHI '81 Proceedings of the joint conference on Easier and more productive use of computer systems*. (Part - II): Human interface and the user interface, Volume 1981. ✝
- Sachs, Jon, "Texture: a review", *ACM SIGDOC Asterisk Journal of Computer Documentation*, Volume 4, Issue 4, pp. 17-19, August 1977. ✝
- Sanguinetti, John, "The Effects of Solid State Paging Devices in a Large Time-Sharing System", In *ACM SIGMETRICS , Performance Evaluation Review*, Vol. 10, No. 3, Proceedings of the Conference on Measurement and Modeling of Computer Systems, pp. 136-153, Fall 1981.
- Sanguinetti, John, University of Michigan Computing Center, "The use of the monitor call instruction to implement domain switching in the IBM 370 architecture", *ACM SIGOPS Operating Systems Review*, Volume 15, Issue 4 (October 1981), pp.55-61. ✝
- Srodawa, R.J., "Positive Experiences with a Multiprocessing System", *ACM Computing Surveys*, 10:73-82. March 1978.
- Srodawa, R.J., and Bates, L.A., "An Efficient Virtual Machine Implementation", In *AFIPS Conference,* Proceedings, pp. 301-308, Vol. 42, 1973.
- Syns, Gordon H., "Benchmarked comparison of terminal support systems for IBM 360 computers", pp.6-34 In ACM SIGMETRICS Performance Evaluation Review, Vol.3, Issue 2, June 1974. ✝
- TEXTFORM Group, University of Alberta, "A New Tool for Publishing Printed Material", *Share 48 Proceedings*, Vol II, pp. 1042-1056, 1977. ✝
- Van Epp, Peter & Baines, Bill, Simon Fraser University, "Dropping the Mainframe Without Crushing the Users: Mainframe to Distributed UNIX in Nine Months", Paper presented at *LISA VI: 6th Large Installation Systems Administration Conference*, Long Beach, California, USA, October 1992. ✝
- Ward, Kathryn, "Measurement, Characterization and Modelling of an MTS Workload." Masters Thesis, University of Alberta, 1979.
- Wendt, Christine, "The CONFER experience of the Merit Computer Network", *CHI '81 Proceedings of the joint conference on Easier and more productive use of computer systems*. (Part - II): Human interface and the user interface, Volume 1981. ✝
- Wesley, Brian, "Adaptive Page Fault Control: Use of Working Set Parameter." University of Alberta, 1974.
- Zinn, Karl L., Parnes, Robert, and Hench, Helen, Center for Research on Learning and Teaching (CRLT), University of Michigan, "Computer-based educational communications at the University of Michigan", *Proceedings of the ACM Annual Conference/Meeting*, 1976, pages 150-154. ✝
- Zinn, Karl, "Case study of a user-oriented conferencing system", *CHI '81 Proceedings of the joint conference on Easier and more productive use of computer systems*. (Part - II): Human interface and the user interface, Volume 1981. ✝

## Doctoral Theses

The following doctoral theses, which deal with MTS, are available on microfilm from University Microfilms (now ProQuest-UMI).

- Foley, James D., *Optimum Design of Computer Driven Display Systems*, PhD. thesis, University of Michigan, Department of Electrical Engineering, 1969, 275pp. **†**
- Hamilton, James A., *Performance Analysis of Multi-level Paging Hierarchies*, Ph.D. thesis, University of Michigan, Department of Computer and Communications Sciences, 1976. University Microfilms order number 76-27489.
- Moore, C., *Network Models for Large-Scale Time-Sharing Systems*, Ph.D. thesis, University of Michigan, Department of Industrial Engineering, 1971. University Microfilms order number 72-4937.
- Pinkerton, T.B., *Program Behavior and Control in Virtual Storage Systems*, Ph.D. thesis, University of Michigan, Department of Computer and Communications Sciences, 1968, 172 pp. University Microfilms order number 68-13378.

### Research Reports

- Cocanower, Alfred B., *The DF Routines User's Guide*, CONCOMP Project, University of Michigan, May 1969, 79pp. **†**
- Floyd, Barry D., and Mantei, Marilyn M., *Knowledge Organization for Command Languages*, Graduate School of Business Administration, University of Michigan, May 1984, 33pp. **†**
- Mills, David L., *The Data Concentrator*, CONCOMP Project, University of Michigan, 1968. **†**
- Mills, David L., Di Giuseppe, Jack L., and Gerstenberger, W. Scott, *Data Concentrator User's Guide*, CONCOMP Project, University of Michigan, April 1970. **†**
- Mills, D. L., *System/360 Interface Engineering Report*, COMCOMP Project, Universitiy of Michigan, November 1967, 1990pp. **†**
- Pinkerton, Tad B., *The MTS Data Collection Facility*, CONCOMP Project, University of Michigan, June 1968, 56pp. **†**
- Smith, Douglas B., *The audio response unit user's guide*, CONCOMP Project, University of Michigan, April 1970, 32pp. **†**
- Westervelt, F. H., CONCOMP : Research in Conversational Use of Computers : Final Report, University of Michigan Computing Center, 1970. **†**