Computer Engineering (Selected Research Topics)

(1) H.OYLUM, K. DEGTIAREV, Comparative Analysis and Implementation of Algorithms for Processing of Large Binary Matrices, M.S. Thesis, 1996-1998.

(2) H. OYLUM, I. AYBAY, Distributed Shared Memory Multiprocessing, Early Multiprocessor Systems, C.mmp, Cm*,Illiac IV, NYU Ultracomputers,   Oct. - Nov.1996.

(3) H. OYLUM, I. AYBAY, Distributed Shared Memory Multiprocessing, Case Study on SUN 20/61 Sparc Station called Karpaz in Computer Engineering Department, EMU,   Nov. 1996 - Jan. 1997.

(4) H. OYLUM, A. KOSTIN, Networks and Distributed System, "Implementation & Using of Ping Client with Socket", Sep. 1996 - Feb. 1997.

(5) H. OYLUM, A. ACAN, Computational Geometry, Matlab Simulations on Interpolations, Approximations, Regressions (Linear, Multiple Linear, Polinomial), Splines (Linear, Quadatic, Cubic), B-Splines (Quadratic, Cubic), Besier Curve (Cubic), Spline surfaces,   Mar. - Jun. 1997.

(6) H. OYLUM, D. DENIZ, Design Analysis and Performance of Computer Networks, "Computer Programs Written in C on Confidence Interval, Queuing Theory & Central Limit Theorem, Oct. - Nov. 1997.

(7) H. OYLUM, D. DENIZ, Design Analysis and Performance of Computer Networks, "Study of Some Well Known Distributions (Erlang, Exponential, Geometric, Normal & Poisson Distributions - C Language Program is written for the analysis)", Nov. 1997 - Jan. 1998.

(8) H. OYLUM, M. M. ASRIN, Broadband Networks (ATM), Simulations on ATM Multiplexer, Leaky Bucket, Switching (Simulations are done in C and experimental data are plotted in Matlab-4.0), Dec. 1997 - Feb. 1998.