

ERC

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Memorandum

DATE: November 4, 1994
TO: Dr. Kaldjian
FROM: A. Yessayan
RE: Brief Overview of my Research at AUA

It is already more than a year that I am working at AUA. The main topic of the research is .Development of BIST Methodologies of High - Speed VLSI Digital Circuits.. Some computing facilities for the research needed. There was an arrangement with Dr. Agbabian for purchasing SunSparc Fileserver and set up at AUA. The proper proposal for this purpose has been provided. After a year there occurred some changes in the future plan and strategy of establishing UNIX-based local network. I have done a survey in the field of satellite communication systems and possibilities of hooking up the local UNIX-Network to Internet.

From January of 1994 I have organized the weekly seminars in the field of Computer Engineering at AUA. Many specialists from different organizations involved, such as from the Institute of Information and Automation Problems at Armenian National Academy of Sciences, Yerevan Computer Research and Development Institute, Yerevan State University, Communication Special Services, etc. It is already 10 months that we are working together with 12 scientists including one Academician, one Professor, nine Ph.D.'s and three specialists with MS Degree. Presently, with a series of seminars we have covered the following topics: *Computer Organization and Advanced Computer Architecture, Switching Theory and Logic Design, VLSI Design, Digital Systems Testing and Testable Design, Pseudorandom Techniques in BIST VLSI.*

As the preliminary work up to now for the most members of the research group was a kind of voluntary work, now we are working on the preparation of the proposal for the scientific grant. The grant will allow the group to devote themselves to the scientific work and to work more seriously on the topic.