

## ACCELERATOR CONTROLS IN KEKB LINAC COMMISSIONING

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In the commissioning of KEKB e- 8GeV / e+ 3.5GeV linac the beamhandling system was much improved since the reliable operation of the linac is required to achieve the higher luminosity. Many controllers were installed to manage newly installed accelerator equipment and beam instrumentation. Parts of the optical FDDI/Ethernet network system and the main computer system were made redundant in order to provide reliable operation. The database are made of simple files and homemade hash routines. The source files of the database are shared between control computers and office computers to ease the update. Control software is based on RPC over network. Although many different kinds of controllers are utilized, RPC servers hide the differences. New operator interface panels were introduced for X-Window environment to be used both in the linac local control room and the KEKB main control room. They were developed with script languages for rapid modifications during the commissioning, which include Tcl/Tk, SAD/script and others. Some of them are transported to Windows environment as well. The system serves the stable linac operation and many application programs are being developed on top of it [1].

[1] K. Furukawa et al., Energy Feedback Systems at KEKB Injector Linac, contribution to this conference.