

## **THE CONTROL SYSTEM OF MAIN MAGNET POWER SUPPLIES IN NSRL**

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The control system of main magnet power supplies in NSRL electron storage ring is built upon Experimental Physics and Industrial Control System (EPICS). As PCs getting more and more popular in accelerator control, We use Industrial PCs as the low-level controllers, i.e. device controllers. There are totally 13 device controllers which are used to control 13 power supplies respectively. They are star connected to a Input/Output controller (IOC) via RS422. The IOC is also a PC on which vxWorks runs to meet the demand of EPICS. A SUN workstation is used as OPI (Operator Interface) as well as EPICS server.