

## **LNLS CONTROL SYSTEM**

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The LNLS synchrotron radiation source control system is presented. The system uses homemade, inexpensive and simple low level hardware based on 8-bit microprocessors and has been used both for the storage ring and beam line controls. It makes easy the migration to customized software development and design of general small applications. This system has been successfully used even in industrial plants due the high mean time between failures. A review of the storage ring control system performance indicates the critical points to be modified for the project of a future booster synchrotron, such as improving the ramping time and data transfer rate.