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## A Hybrid Architecture for the LLRF System of the Fermilab Mu2e Project

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The LLRF system for the Mu2e project uses the same primary LLRF hardware as the Muon g-2 experiment that has been running for the past five years. The SSA and RF cavity for the capture of the 2.5 MHz beam bunches in the delivery ring are located about a mile away from the LLRF controller. A local FPGA controller chassis is used to digitize the cavity signals and to co-ordinate the beam transfer manipulations. The system architecture is described and the results of the initial testing presented.

## **Keyword**

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