

**A NEW CONTROL SYSTEM FOR THE ELETTRA LINAC:
DEVELOPMENT AND COMMISSIONING**

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A new control system has been installed in one of the seven accelerating sections of the ELETTRA Linac. Starting from the ELETTRA Control System technologies based on Unix workstations and OS-9/VME systems, new solutions have been adopted to interface the control system to the Linac equipment in order to reject the electromagnetic noise of the klystron room. An object oriented analysis of the basic functionalities of the Linac sub-systems supported the development of the real-time software and the definition of the control room level applications. The article describes the design aspects and reports the experience gained during the commissioning period.