

## **A COMMON CONTROL MODEL FOR VACUUM EQUIPMENT AT CERN**

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The paper presents results of the work aimed at providing a uniform interface between application programs and vacuum equipment in all CERN accelerators. The basic idea is that, despite the diversity of existing low level equipment controls, at the application program level devices of the same kind, e.g. ion pumps, can be represented by a common control model reflecting their prime operational purpose rather than specific implementations. The model is defined in a language independent form (OMT, CORBA/IDL), though allowing for easy mapping to language specific application programming interfaces (C,C++,Java). An approach to the model implementation in the CERN accelerator controls infrastructure is described along with results of prototyping in LEP and PS accelerators.