



Contribution ID: 173 Contribution code: MOCR007

Type: **Contributed Oral Presentation**

Modern control system applications at Fermilab with Dart and Flutter

Monday 22 September 2025 15:15 (15 minutes)

The control system at Fermilab is undergoing an unprecedented modernization effort. Hundreds of legacy applications originally developed with technology from the early nineties will be replaced with a suite of modern web applications. The selection of an user interface framework is a key technology decision that will impact on all the applications developed over the next decade. The Controls department at Fermilab has decided to use Google's Dart language and Flutter framework for future application development. In this paper we will discuss the decision process that selected Dart/Flutter and the development of early general purpose control system applications with the framework.

Funding Agency

Footnotes

Author: DIAMOND, John (Fermi National Accelerator Laboratory)

Presenter: DIAMOND, John (Fermi National Accelerator Laboratory)

Session Classification: MOCR MC11 User Interfaces and User Experience

Track Classification: MC11: User Interfaces & User Experience