Contribution ID: **27**   Type: **Lecture**

Functional programming (and why it's relevant for HEP computing)

Monday 15 April 2024 10:45 (1 hour)

Anyone that writes code on a regular basis will likely have come across the term "functional programming", or perhaps even tried their hand and writing some Haskell functions at some point. Still, its strong theoretical roots and at times unfamiliar syntax can make the initial learning curve quite steep. However, you don't need to be a mathematical or computer science expert to pick up some essential concepts of the functional programming paradigm. In fact, most likely you are already using some of them in your "normal" imperative programs! In this lecture, we will give a gentle introduction to the world of functional programming with Haskell, and try to convince you how other programming practices, especially those already used in HEP can benefit from "functional thinking".

Attended school

Number of exercise hours

Number of lecture hours

Presenter: DE GEUS, Florine (CERN/University of Twente (NL))