

Exercises 2: Software Design

Wednesday 23 August 2023 17:30 (1 hour)

The exercises will cover the topics of lectures 1 to 4 at a hands-on basis, based on C++11, TBB and Spark. It covers examples for the new C++11 functionality related to threads and thread safety. In addition, there will be examples for concurrent access to data, lock and lock-free data structures, and task based programming. Finally, there will be an exercise to practise the Map-Reduce pattern by using the Spark parallel data processing framework.

Summary

Authors: GHEATA, Andrei (CERN); HAGEBOECK, Stephan (CERN)

Presenters: GHEATA, Andrei (CERN); HAGEBOECK, Stephan (CERN)