Contribution ID: **25**                                                    Type: **not specified**

# Software Design E1

*Saturday 29 August 2020 08:45 (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

**Presenters:** GHEATA, Andrei (CERN); TEJEDOR, Enric (CERN)