



Contribution ID: 35

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## Software Design E3

*Saturday 21 September 2019 11:00 (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)

**Track Classification:** Software Engineering