

# Optimizing existing large codebase

*Tuesday, 3 May 2022 14:20 (1 hour)*

Parallel and Optimised Scientific Software - lecture 3

- Measuring performance, tools and key indicators
- Improving memory handling
- The nightmare of thread safety
- Code modernization and low level optimizations
- Data structures for efficient computation in modern C++

## Summary

**Presenter:** PONCE, Sebastien (CERN)

**Track Classification:** Track 2: Parallel and Optimised Scientific Software