



Contribution ID: 21

Type: **Lecture**

Software Design L2: Base Concepts of Parallel Programming: A Pragmatic Approach

Wednesday, September 14, 2022 9:00 AM (1 hour)

This and the following lecture will explain the concepts behind various parallelization methodologies. First, a theoretical introduction to threads, thread-safety and concurrent data access will be given. As the recent C++ standards (starting from C++11) provide build-in support for parallel programming, their most commonly used concurrency features will be shown. Finally, concrete solutions for problems specific to concurrent programming will be discussed.

Summary

Presenter: GHEATA, Andrei (CERN)

Track Classification: Software Engineering