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Software Design in the Many-Cores era - Lecture 2

Thursday, August 28, 2014 8:45 AM (1 hour)

Base Concepts of Parallel Programming: A Pragmatic Approach

This lecture will explain the main concepts behind concurrent programming. First, a theoretical introduction into threads will be given. As the new C++ standard (C++11) now provides built-in support for parallel programming, the new features of this standard will be shown. The second part of this lecture builds thread-safety and concrete technologies to tackle the problem of concurrent data access.

Presenters: HEGNER, Benedikt (CERN); PIPARO, Danilo (CERN)

Session Classification: Base Technologies