



Contribution ID: 106

Type: **Talk (15min + 5min)**

Large-scale C/C++ code restructuring with Coccinelle

Wednesday, March 6, 2024 11:10 AM (20 minutes)

Did you inherit a huge C or C++ research code?
Are you supposed to make it faster (say you're in HPC)?
Are you supposed to introduce new features (say you're in physics)?
Or perhaps you want to rejuvenate this code?
You estimate the code to be too large for that to be done properly or cleanly?
This talk introduces the ideas of the Coccinelle system for large-scale code analysis and restructuring.
You are invited to visit our 2h tutorial to get a working introduction to the tool usage.
See <https://github.com/coccinelle/coccinelle> for more about Coccinelle.

Slot length

other(help with comment)

Primary author: MARTONE, Michele (Leibniz Supercomputing Centre)

Co-author: Dr LAWALL, Julia (Inria Paris, France)

Presenter: MARTONE, Michele (Leibniz Supercomputing Centre)

Session Classification: Cross-Platform Development with C/C++

Track Classification: HPC and Massive Data: Research Software in C/C++