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Date:

Monday, 5 May, 2014 (All day) to Tuesday, 6 May, 2014 (All day)

Location:

[CERN Building 593 Room 11](#) ^[2]

In the 4th edition of the annual CERN Numerical Computing workshop we will be focusing more on vectorization and the efficiency of floating point. Again, we are proud to welcome world-class experts as speakers:

- Florent de Dinechin will cover the metalibm package and FPGA floating point,
- Agner Fog will speak about vector classes and instruction throughput measurements (w/ hands-on labs),
- Danilo Piparo will introduce HEP floating point computing and the VDT library,
- Lorenzo Moneta will floating point cover issues related to data analysis,
- Jeff Arnold will provide a solid base and refresher for floating-point computing on modern x86 and with the GCC/ICC compilers (w/ labs).

The special guest speaker will be **Agner Fog**, a performance programming specialist, whose instruction tables and optimization guides have been of great help to many of us:

<http://agner.org/optimize/> ^[3]

An Indico page will be put up shortly ? all classes will be held in Room 11 of the Technical Training Center (bldg. 593) starting at 9am.

Indico or other event webpage:

[To attend, please register in EDH \(first come first served\)](#) ^[4]

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[2] <http://maps.cern.ch/mapsearch/?centerX=2492691¢erY=1121376¢erScale=1500>

[3] <http://agner.org/optimize/>

[4] <https://edh.cern.ch/Document/Personnel/TRN/new?course=133IWN01>