

MODERN AIDS USED TO TEACH HPC TO PHYSICISTS

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CSC - IT Center for Science has a long experience in teaching HPC to scientists, providing computing capacity to researchers from virtually all fields of science since 1971. CSC organizes yearly some 50-60 training events in the form of various courses, workshops, seminars etc., comprising in total over 100 training days a year, and covering topics ranging from bleeding-edge technologies, to widely used methods and other useful practical skills. CSC is one of the six PRACE Advanced Training Centers (PATC) in Europe bringing world-class, top-quality training in scientific computing to Finland.

Since more than 2/3 of processor time on CSC's computing servers is used by physicists, many of the courses offered by CSC are targeted and attended by physicists. The lecturers and trainers in these events are usually leading experts from the fields of physics and scientific computing - both from CSC and external organizations. The aim of the training is to give imminent and significant benefits to physicists' daily scientific work.

Recently the webinars and courses realized in the Cloud computing platforms[1] have been added to the CSC's training portfolio. CSC Webinars is a series of short, open for all, on-line technical talks followed by a free-form discussion about the topic or other issues raised during the talk. The presentation, except the Q&A session at the end, is recorded and published as a tutorial video.

In this talk, the strategies for efficient training in computational physics and HPC will be shown, with emphasis on modern aids, such as webinars.

[1] CSC Cloud Computing.