

- The course webpage for DM818 is <http://imada.sdu.dk/~daniel/DM818-2015/>. The blackboard system will be used to provide slides and articles.
- The WebDAV link for the lecture material is `davs://YOURUSERNAME@elearn.sdu.dk/bbcswebdav/courses/15014001-f-E15N/Material`, see also information on the course's homepage.
- This year again, I am very happy to be able to announce that we will be able to use resources from NERSC: National Energy Research Scientific Computing Center. We will share our computational quota, so please be careful how to use the resources. Note that any resource usage is logged.

Currently their fastest machine is Edison, a Cray XC30 with a peak performance of more than 2.5 petaflops using 133824 compute cores. We will also be able to use Dirac, a 50 node GPU cluster with NVIDIA Fermi chips. For your first assignment you need to work on (one core of) Hopper, a Cray XE6, with a peak performance of 1.28 Petaflops/sec and 153216 compute cores. Interestingly, Hopper will retire by end of 2015, and an amazing new machine (called Cori) is about to be installed.

- Please apply for an account at NERSC via https://nim.nersc.gov/nersc_account_request.php.

Deadline: Thursday 3rd September, 10am.

- Use a **standard account**.
- Use your **SDU email address**, i.e., `YOURNAME@student.sdu.dk`.
- Use **+45 XX XX XX XX** as a format for your phone number (don't use a fake phone number, you might have to call in order to reset your password).
- In the field "Principal Investigator and repository name" write:
David Skinner, Daniel Merkle, Repository: m947.
- In the description write:
 - * DM818 (Parallel Computing) course at the University of Southern Denmark (SDU).

After submission you need to agree to the account usage policy. Subsequently I will approve your application and it is then handed over to NERSC. Please note, that NERSC is taking security and account policy very serious.

- We will not follow the course book in the first lectures, I will provide all material on slides and/or original articles.
- In week 37 we will start with "Introduction to Parallel Machines and Programming Models" and "Tuning Matrix Multiply, Introduction to Parallel Machines and Programming Models". The slides will be available very soon.