

Videos (playlist

<https://www.youtube.com/playlist?list=PLurE0jDOkyNgNJBoBTLvjG8zlZUOHpZWv>):

1. Introduction to Intel RAPL
<https://www.youtube.com/watch?v=BxyDkEjZzL4>
2. Energy consumption measurement using RAPL
https://www.youtube.com/watch?v=1IroTxvE_gk
3. Energy consumption measurement on NVIDIA graphics cards
https://www.youtube.com/watch?v=Xj_QdFVhMdw
4. Measuring energy consumption of benchmarks using RAPL
<https://www.youtube.com/watch?v=wNnhjMDTqbg>
5. Power capping with RAPL
<https://www.youtube.com/watch?v=pNtcdfkRx3s>
6. Power capping with Nvidia
<https://www.youtube.com/watch?v=Q1D6gTlizFc>

Additional materials:

- A. A Docker image which provides a portable environment for running exercises
00-docker-image-instruction.pdf
<https://hub.docker.com/r/eumaster4hpcyfronet/energy-aware-computing-mooc>
<https://github.com/kjarosh/eumaster4hpc-tools/blob/main/docker-image/Dockerfile>
1. A Jupyter notebook with introduction to RAPL and sysfs interface
01 RAPL sysfs Interface.ipynb
<https://github.com/kjarosh/eumaster4hpc-tools/blob/main/docker-image/jupyter/01%20RAPL%20sysfs%20Interface.ipynb>
 2. A Jupyter notebook with exercises related to measuring energy consumption using RAPL
02 RAPL Energy Consumption.ipynb
<https://github.com/kjarosh/eumaster4hpc-tools/blob/main/docker-image/jupyter/02%20RAPL%20Energy%20Consumption.ipynb>
 3. A Jupyter notebook with exercises related to measuring power consumption on NVIDIA cards
03 NVIDIA Power Draw.ipynb
<https://github.com/kjarosh/eumaster4hpc-tools/blob/main/docker-image/jupyter/03%20NVIDIA%20Power%20Draw.ipynb>

Order of materials:

1. Video 1
2. Additional material A
3. Additional material 1
4. Video 2
5. Additional material 2
6. Video 3
7. Additional material 3
8. Video 4

9. Video 5

10. Quiz