

# Research Computing Advisory Committee

Minutes July 6, 2015 (taken by Erik Deumens)

**Present:** Paul Avery, S. Balachandar, Erik Deumens, Lauren McIntyre, Hannah Norton, Alberto Riva, Laurie Taylor

## Updates

- Lauren McIntyre reports that UF received the NIH Data Core award over UC San Diego because of the advanced infrastructure provided by UF and the strong support from the University for using it in the form of the matching program.
  - Erik leads a detailed review of the business plan to operate the HiPerGator and other resources in a sustainable way and provides the background information that lead to the specific rates:
    - o 1 NCU (Normalized Compute Unit) compute core at \$300 per core for 5 years with \$100 reduction in price from matching. The matching is buy two get one free. It applies to all NCU purchases.
    - o 1 LSU (Long-term Storage Unit) costs \$125 per TB per year. No matching reduction applies. 1 RSU (Replicated Storage Unit) costs double as it is equal to 2 LSU synchronized.
    - o NVIDIA K80 GPU will be available at the highly subsidized cost of \$500 (NewEgg price is \$4,500). Xeon Phi are available for free until demand causes lack of availability within a short time.
    - o Consulting is \$50 per hour.
- This information is now available on the web site <http://www.rc.ufl.edu>.
- The President, Provost, and VP for Research approved the funds to proceed and Discussion

## Discussion

The committee discussed the business plan and approved it.

A grant program to allocate GPUs was discussed.

The use by the faculty at no cost will now be limited to some finite time, but it will not be eliminated. Rather grants and loans will be given to allow researchers to try the system. That has been proven to be the best and most convincing argument to become an investor.

The option to allocate the free usage on the older HiPerGator once the new HiPerGator 2.0 expansion is in place was also discussed. This can be implemented and will be investigated .

## Organization

The meeting of August 3 conflicts with the SSERCA Summit in Tampa and will be canceled. Next meeting will be on Monday September 14, 2015 at the usual location in NPB 2205 from 1:30 – 2:30 pm.