

Summary of discussion and offline conversations

- How do we do fast data transfers between Australia and India using the NRENs?
Doable and worth doing! Divya Oberoi (NCRA) and Greg Sleaf (Curtin) will explore this possibility with NKN and AARnet.
- What kind of collaborations can be setup for data pipeline development? Shall we set up working groups?
Wasim Raja will initiate an email discussion with relevant people and we will take this forward. Clearly many different pipelines optimised for specific requirements are needed, but there is much common knowledge can be shared. A collaboration between India and Australia will be very useful.

Summary of discussion and offline conversations

- What about collaborations on optimising compute hardware and software?
Wasim Raja & Eric Bostholm: Discussion around CASA ecosystem, its performance issues, pipeline building etc.
Prabhu: agile hardware development and role of scala in it. Use of FPGA accelerators for transparent online data compression and decompression.
- What are the areas of common interest in the machine learning domain?
George Hobbs & B.C. Joshi: Pattern recognition/ mining in a noisy stream of data e g pulsar search
Ramesh Bhat: discussion about the amount of false positives in pulsar detection consuming a lot of human bandwidth.