

# On the need of a plan for obtaining fast follow up of transients in the Rubin era with Brazilian facilities

*Tuesday, May 7, 2024 9:00 AM (30 minutes)*

The Vera Rubin Observatory will enable a wealth of discoveries when mapping the sky from Cerro Pachon, Chile, every few nights, for the next decade. Brazil is in a privileged situation to do follow-up work and characterize the newly discovered sources, having in particular a 4m and an 8m telescope next doors to the Vera Rubin telescope and a number of other telescopes (available or planned) on mountains close-by. There are also a number of smaller telescopes available in Brazil that could work towards the same goal. These Brazilian facilities have great potential to make breakthrough discoveries if they work within an organized plan and explore synergies. This talk will be a brief description of what facilities may be available and will present a few works that are already ongoing using T80-South, the Brazilian robotic telescope, which may be relevant for such a common effort.

**Presenter:** Prof. MENDES DE OLIVEIRA, Claudia (IAG-USP)

**Session Classification:** Keynote speakers