

ASTRONOMY & ASTROPHYSICS DIVISION SEMINAR

Title : Studies of massive star forming regions

Speaker : Dr. Watson P. Varricatt, Joint Astronomy Centre, Hawaii

Date : 18. 07 . 2013 (Thursday)

Time : 16:00 Hrs

Venue : Room # 114 (Thaltej Campus)

ABSTRACT :

Low-mass stars are known to form through disk accretion and driving collimated outflows. When it comes to massive stars, the primary mechanism for formation has been a debated topic. The objections to an accretional scenario for the formation came from observational and theoretical considerations, and alternate scenarios like merger of lower mass stars were proposed. We have been observing massive star forming regions using the United Kingdom Infrared Telescope (UKIRT) to understand the main mechanism leading to their formation. In this talk, I will present some of the results obtained from our observations obtained using the UKIRT Wide Field Camera (WFCAM), and from archival data from ground- and space-based facilities. Studies of four interesting massive star forming regions, where multiple star formation is seen to occur in clusters, will be discussed.

All are welcome.....

Bus will be available from PRL main campus at 15:30 Hrs
