

Astronomy & Astrophysics Division Seminar

Title : Gearing up for India's Large Optical-NIR Telescope

Speaker : Prof. Padmakar Parihar (Indian Institute of Astrophysics, Bangalore)

Date : 06.12.2017 (Wednesday)

Time : 16:00 Hrs

Venue : Seminar Room # 113/114 (Thaltej Campus)

Abstract:

Recently install 3.6m DOT telescope and forthcoming TMT would not be enough to cater the need of growing Indian astronomical community. Access to 10 - 12m size optical-NIR telescope equipped with state of the art back-end instruments can bridge the gap between DOT and TMT. A telescope of this size is only possible when primary mirror is made of smaller mirror segments. The participation into TMT project has given us an opportunity to adopt some the key technologies linked with segmented mirror telescope(SMT) and make use of resources being developed for this mega project within India. In my talk I will present the possible sites for the proposed telescope, preliminary opto-mechanical design and some R&D effort happening in IIA to explore SMT technology by developing a prototype segmented mirror telescope.
