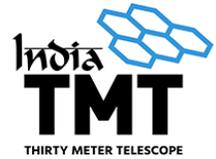




## Project: Thirty Meter Telescope (TMT)

Prof. A.N. Ramaprakash, IUCAA, Pune

Challenging technology horizons for expanding discovery space



### Abstract:

- The drive to establish complex observatory facilities stems from our quest to probe ever farther, fainter and finer into the cosmos which we inhabit. Building such facilities for astronomy pushes the envelopes of several technology fields. Not surprisingly, such mega-endeavors have to be jointly undertaken by scientists, technologists, industries, science managers and even lawyers. Teams are often distributed across the globe thus raising barriers of time zones, language and working cultures. Revolutions in communication, travel and transport are bringing down these barriers. This talk will take a glimpse at how science and technology challenge each other in the building of the Thirty Metre Telescope International Observatory.

### About the Speaker:

- A.N. Ramaprakash is a Professor at the Inter-University Centre for Astronomy & Astrophysics (IUCAA), Pune, India and is the Associate Programme Director of India - Thirty Meter Telescope (TMT) project. Trained as an Electronics Engineer, he obtained his PhD in Physics from IUCAA, Pune. He was a visiting research fellow at California Institute of Technology (Caltech), US. As a postdoctoral research fellow at Institute of Astronomy, Cambridge, UK, his research focused on astronomical instrumentation. Ramaprakash joined IUCAA as Scientist in 2000, and became Professor in 2010. He is the head of the instrumentation laboratory at IUCAA and has contributed significantly to the instrumentation development for national as well as international astronomical observing facilities.

