



‘IMILOA
Astronomy Center of Hawai‘i

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The Thirty Meter Telescope
Astronomy’s Next Generation Observatory

Hilo, Hawai‘i – Astronomy’s next generation observatory, the Thirty Meter Telescope(TMT) will be the topic at the next “Maunakea Skies” on Saturday, July 16, at 7:00pm at ‘Imiloa Astronomy Center. Join Gordon K. Squires as he discusses the potential of the TMT.

A little over 400 years ago, Galileo Galilei pointed, what was at the time, the world’s largest telescope towards the skies, and changed our view of the world forever. Now in planning for “first light” on Maunakea later this decade, the Thirty Meter Telescope is truly astronomy’s “next generation” observatory. With angular resolution better than any optical/near-infrared telescope on the ground or in space, TMT will revolutionize our understanding of the universe. In his presentation, the audience will explore the science that TMT will uniquely reveal, from the formation of the very first stars and galaxies over 13 billion years ago, to the nature of objects in our own outer solar system.

Gordon K. Squires is an astronomer at the California Institute of Technology, working with the Thirty Meter Telescope, as well as NASA’s Spitzer Space Telescope, the Herschel Space Observatory, the Galaxy Evolution Explorer and other space telescopes with Caltech involvement. His research explores the old, cold and distant universe – understanding how galaxies formed billions of years ago and the nature of the dark matter and dark energy that fills space.

Maunakea Skies host Dr. Richard Crowe, will provide observational highlights of the Summer night-time skies over Hawai‘i, pointing out prominent constellations and stars one can see during this time of year.

The monthly Maunakea Skies planetarium presentations are held on the third Saturday of each month. Presented in ʻImiloa Astronomy Center's 120-seat planetarium, admission is \$5 for ʻImiloa members and \$8 for non-members. Pre-purchase tickets at the ʻImiloa front desk or by phone at (808) 969-9704; Visa and MasterCard accepted.

ʻImiloa Astronomy Center of Hawaiʻi is located at 600 ʻImiloa Place in Hilo, off Komohana and Nowelo Streets at the UH-Hilo Science and Technology Park. For more information, go to www.imiloahawaii.org, or call (808) 969-9703.



Figure 1: image of the Thirty Meter Telescope

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