CAASTRO
ARC CENTRE OF EXCELLENCE FOR ALL-SKY ASTROPHYSICS

CAASTRO in the Classroom

"The Giant Magellan Telescope"

The Giant Magellan Telescope (GMT) is a 25-metre optical and infrared telescope currently under construction in which Australia has a 10% share. It will cost a billion dollars, collect 6 times as much light as today's biggest telescopes and produce images 10 times sharper than the Hubble Space Telescope. Using GMT, astronomers will be able to take images of planets around other stars, find super-massive black holes in galaxies, and detect the very first stars to form in the universe.

You and your students are invited to get involved in this great adventure and join **Professor Matthew Colless** as he guides us through the incredible instruments that allow us to understand the Universe. This talk will cover topics mainly from the Cosmic Engine and Space and Astrophysics modules of the Physics Stage 6 Syllabus.

The session will run on **Wednesday 4th December 2013 11:00am - 11:45pm**

There is no charge for schools to participate. Please register by completing the booking form at the bottom of the webpage):

http://www.caastro.org/bookings

You can learn more about our program at http://www.caastro.org/citc or by emailing citc@caastro.org

Dial in number on your videoconference unit (VMR): 601056104

Professor Matthew Colless is the Director of the Research School of Astronomy and Astrophysics (RSAA) at the Australian National University (ANU). He was for nine years the Director of the Australian Astronomical Observatory (AAO). His research uses large redshift surveys of galaxies to understand their evolution and the large-scale structures they form. He also plays leading roles in the WiggleZ survey, which probes the nature of the mysterious 'dark energy'.