



CAASTRO
ARC CENTRE OF EXCELLENCE
FOR ALL-SKY ASTROPHYSICS

CAASTRO in the Classroom

“Building Galaxies in a Supercomputer”

Experimental astronomy might sound a little far-fetched -- when have you heard about astronomers in the lab, mixing together dark matter, gas and radiation in some beakers to form a galaxy? However, it's not unusual to find astronomers in virtual labs, running supercomputer experiments with galaxies and model universes.

You and your students are invited to join **Chris Power** as he explains how these supercomputer experiments work, what they have taught us about the Universe, and why they are so useful in helping us to understand how galaxies form. 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 **Friday 9th August 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 Chris Power is a theoretical astrophysicist working at the University of Western Australia. His research interests are in simulating dark matter and galaxy formation using supercomputers.