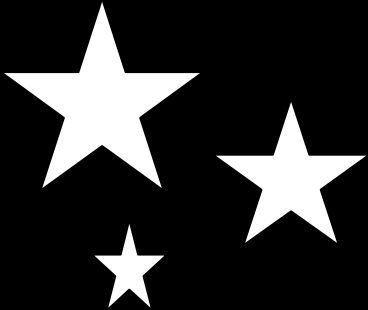


INVITATION





"Dark Secrets"

Public Lecture

Presented By

Professor Fred Watson

Astronomer-in-Charge of the Anglo – Australian Observatory

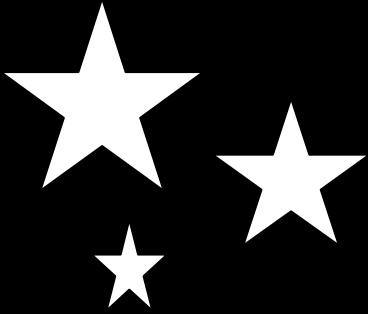
Date: Friday 10th August 2007

Time: 1st Lecture (specifically for schools) 1-2pm
2nd Lecture (Open to Public) 4.30-5.30pm

Venue: Queensland Museum South Bank Theatre

Cost: FREE

RSVP: ashleigh.cheahlord@qut.edu.au by Friday 3rd August 2007



Program

- 12.30pm Registration for School Lecture
- 1.00-2.00pm *1st Public Lecture (Specifically for Schools)*

BREAK

- 4.00pm Theatre doors re-open for Public Lecture
- 4.30-5.30pm *2nd Public Lecture*
- 5.30pm Drinks and finger food with Fred Watson

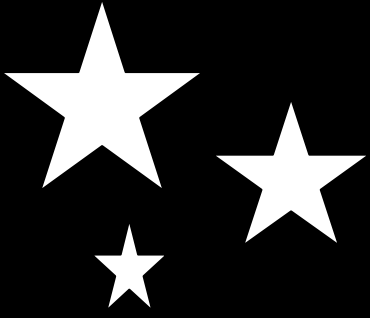


Lecture Outline.....

Over the last few decades, scientists have come to realise that four-fifths of the material in the Universe is hidden from us, and can only be seen indirectly. It has also become evident that this so-called dark matter has played a crucial role in the formation of galaxies, stars and planets - indeed, we owe our very existence to it. But what is it?

An even more mysterious dark secret has revealed itself within the past few years, and that is dark energy. This springiness of space itself is causing the expansion of the Universe to accelerate, and accounts for 75 percent of the Universe's mass-energy budget. Once again, scientists have few clues as to what it is.

The hunt for dark matter and dark energy is a detective story on the grandest scale, demanding all the ingenuity of modern astronomers. It is also giving scientists some of their most spectacular views of the Universe. In this entertaining and fully-illustrated talk, Fred Watson describes how the search is being carried out, and explains why large telescopes and dark, pollution-free skies are needed to explore these dark secrets.



RSVP...

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Or

Phone (07) 3138 2025

By Friday 3rd August 2007



SCIENCE TEACHERS ASSOCIATION
OF QUEENSLAND

This event is proudly sponsored by



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