

# DARK 2007

Sixth International Heidelberg Conference on  
DARK MATTER IN ASTRO AND PARTICLE PHYSICS

Sydney, Australia

24<sup>th</sup>-28<sup>th</sup> September, 2007



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## CONFERENCE DESCRIPTION

The HEIDELBERG International Conference on “Dark Matter in Astro and Particle Physics” is a well-established usually biennial conference that brings together scientists working in the fields of cosmology, astrophysics, particle and nuclear physics. The aim of the conference is to discuss and unravel the fascinating and tantalizing mysteries of the nature and origin of dark matter and dark energy in our Universe. The first three conferences took place in 1996, 1998 and 2000 in Heidelberg (Germany) which gave the conference its name and fame. DARK 2007 will be the third meeting within this series outside Europe, after DARK 2002 - in Cape Town, South Africa, and Dark 2004 in Texas, USA. It will take place at the School of Physics, University of Sydney. Arrival date is 24<sup>th</sup> September 2007 and departure date is the 28<sup>th</sup> September 2007.

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## MAJOR CONFERENCE TOPICS

Major topics of DARK 2007 are:

1. Cosmological parameters from Cosmic microwave background, Supernovae Ia and Large Scale Structure
2. Dark matter in galaxies and clusters of galaxies
3. Gravitational lensing and microlensing and dark matter
4. Hot dark matter
5. Dark Energy
6. Structure on large and subgalactic scales and properties of dark matter
7. Dark matter candidates beyond the Standard Model
8. Direct and Indirect WIMP searches
9. Axion dark matter theory and searches
10. Supermassive compact dark objects at the galactic centers
11. Status and perspectives of direct dark matter search
12. Antimatter search

## APPLICATION PROCEDURE

Full registration is now open. If you wish to participate in DARK 2007, please complete the registration form online at

<http://www.physics.usyd.edu.au/dark2007>

Full registration will close on July 1st, the talk and poster schedule will be available on July 15th.

Since we can invite only a limited number of colleagues, we would like to encourage you to send your application at your earliest convenience.