

Aboriginal Summer School for Excellence in Technology and Science for Aboriginal and/or Torres Strait Islander Year 10 Students

2010 Report



For sponsorship opportunities, please contact **Rob Ball** on [rob.ball@flinders.edu.au](mailto:rob.ball@flinders.edu.au) or 0412138743.

## Report from the 2010 Program - part 1

Information from the 2010 program will be published here as it becomes available.

- **Culture and Leadership**
- There were three 'Inspiration sessions' - each a 45 minute window into some exciting aspect of current science.
  - **Inspiration - Women's Reproductive Health**
  - **Inspiration - Augmented Reality**
  - **Inspiration - Strange Attractors**
- **Santos - Major Sponsor**

In **Part 2 of this report**, you'll find the following headings, with a report and photographs:

- **Nanotechnology - Academic Stream**
- **Preventative Health - Academic Stream**
- **Australian Science and Mathematics School (ASMS)**

In **Part 3 of this report**, you'll find the following headings, with a report and photographs:

- **"Taste of TAFE" - A Day at TAFE SA, Panorama Campus**
- **Wiltja Residence**

## Culture and Leadership

**Delivered by:** **Professor Peter Buckskin**, Dean, David Unaipon College of Indigenous Education & Research, University of South Australia

**Contribution:** "Peter delivered a vibrant session on the importance to Aboriginal and Torres Strait Islander Australians of cultural awareness on the second day of the program. This was supported and supplemented by a series of evening speakers and a night session in which participants gave small group presentations on what they hoped to be doing in some years time and how this vision was influenced by their participation in ASSETSC21 2010."



## Further Information

For further information, contact **Ian Maynard** or **Rob Ball**.

## 2009 Photos



## Latest Additions

- ▶ **Report from the 2010 program - part 2**
- ▶ **Report from the 2010 program - part 3**
- ▶ **Report from the 2010 Program - part 1**
- ▶ **Expression of Interest for the 2010 Program - Now Closed**
- ▶ **ASSETS 2010 - Information Sheet**

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## Inspiration: Women's Reproductive Health

**Presenter:** [Dr Alice Rumbold](#), Robinson Institute, University of Adelaide. [Click here for more information](#) about the Robinson Institute.

**Contribution:** "Alice shared information about her educational route to the work she is now doing in women's reproductive health and provided some details of an extremely interesting and important study of a cluster of gynaecological cancers in a particular group of Aboriginal women in East Arnhem Land, NT. This study demonstrated both the importance of mathematics in science and included an excellent example of an hypothesis being shown to be wrong and how this, rather than being a dispiriting outcome, generated a range of interesting questions for further investigation."

[Click here for a copy of Alice's presentation.](#)



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## Inspiration - Augmented Reality

**Presenter:** Dr. Christian Sandor, Director: [Magic Vision Lab](#) and Senior Lecturer, School of Computer and Information Science, University of South Australia

**Contribution:** "Christian entertained and educated the ASSETS participants for 45 minutes with a riveting demonstration of Augmented Reality, in which volunteers experimented with manipulating virtual objects in the real world. The future is already here!"

For an indication of the content of Christian's Inspiration, [click here](#).



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## Inspiration - Strange Attractors

**Presenter:** Dr Zoz Brooks; Massachusetts Institute of Technology, and Discovery Channel

**Contribution:** "Zoz wowed the ASSETS participants at the Royal Institution Australia with a blitzkrieg tour of where his work in robotics and love of explosions had taken him. This included work on inventions to assist in clearing landmines, and concluded with an explosion triggered by a 'mind race' between two of the ASSETS audience."





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## Santos - Major Sponsor

Presentation on behalf of Major Sponsor, Santos.

**Presenter:** Che Cockatoo-Collins, Aboriginal Employment and Training Adviser with Santos.  
[Click here for information](#) about Che.

**Contribution:** "Che spoke with the ASSETS participants about his background and the path to where he is now, and provided detail about the employment opportunities, particularly for Aboriginal and Torres Strait Islander people, with Santos."

[Click here to view the PowerPoint presentation used by Che.](#)



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... more to come.

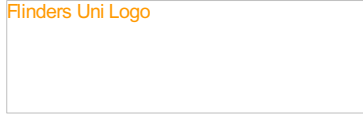


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