

Engineers Australia's College of Biomedical Engineers (SA Branch),
The Society for Medical and Biological Engineering, &
The Australasian College of Physical Sciences and Engineers in Medicine

Jointly present

Site Visit: CSIRO Manufacturing & Infrastructure Technology (CMIT) Biomedical Applications

Dr Mike Painter

Stress Shielding in Orthopedic Implantation & Implant Design

What happens when a hip implant at age 45-55 lasts less than your life span?
How does stress shielding contribute to implant failure? Advanced numerical simulation combined with materials engineering can address the issue.

Dr Richard Morgans:

Self Repairing Structures – Fact or Fiction

Can man-made metallic based materials be self healing?
How does self-healing work?

Dr Joe Cavallaro:

Modifying Ti surfaces for Biomedical Applications

What is a "surface" as applied to biomedical implants and devices?
Why does titanium have a great surface?

Event details:

Date: Tuesday, 26th July 2005

Venue: CMIT CRC Conference Centre

Leeds Crescent, Woodville North, South Australia

Parking opposite Building 2 (assembly area for Bldg 2 on map)

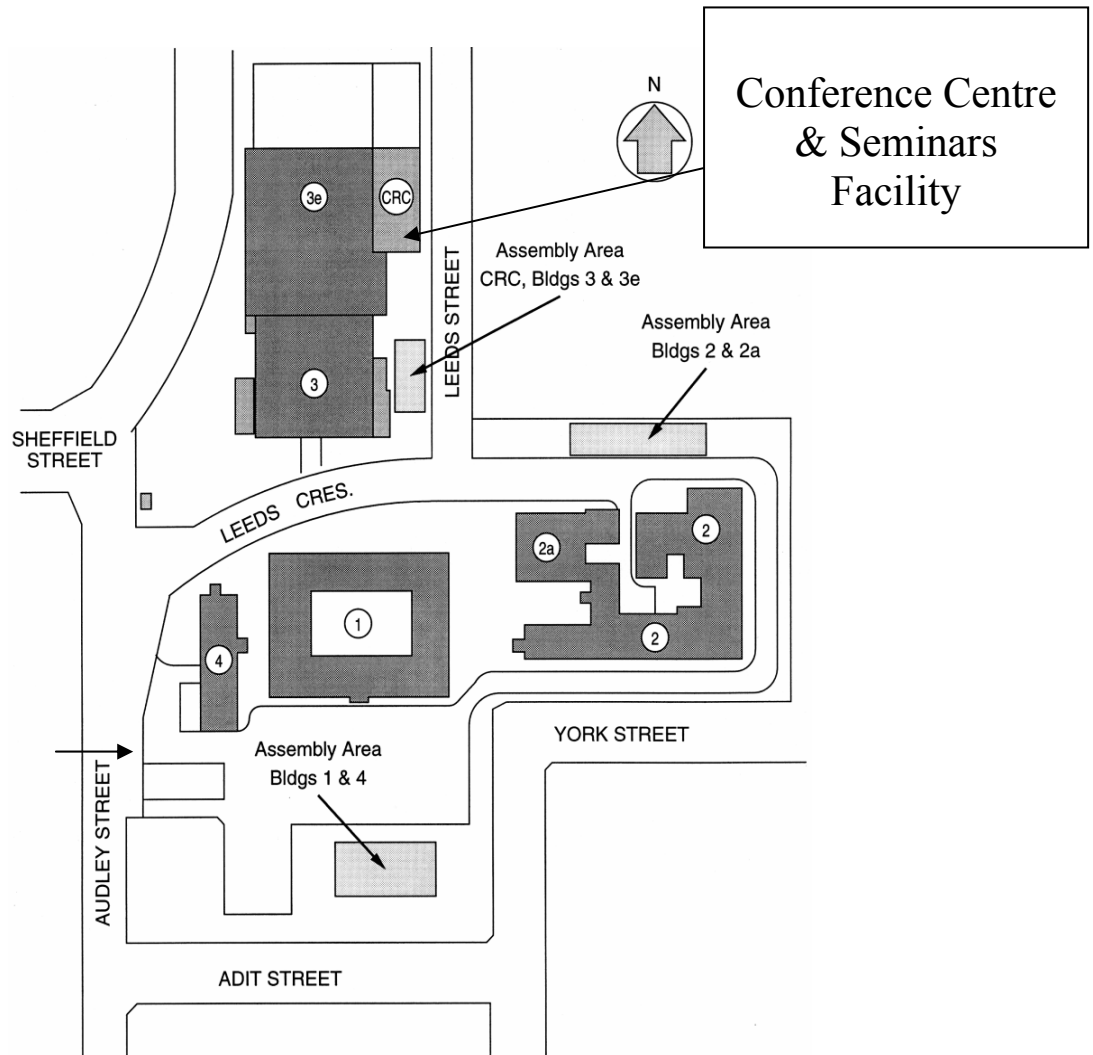
Time: 5:30pm for refreshments, talks starting at 6:00pm

RSVP: Robin Woolford robin.woolford@fmc.sa.gov.au

Ph: 8204 5242

Cost: Members FREE, guests also free.

Site & Safety Information



Please be aware of the following during your visit to CMIT:

Safety Equipment - Safety signs and safety directives issued by CSIRO personnel must be complied with at all times. Relevant safety equipment will be provided for visitors where necessary.

Please note enclosed footwear must be worn on site in all areas.