



Invitation to the Parker Centre Science Conversation 5

**The Parker Centre invites you to the fifth session
in its Science Conversations seminar series**

Topic: **Basic Research in Colloids and Surfaces: *With Some Commercial Applications***

Presenter: **Professor Ric Pashley** (BSc(Hons), DIS, PhD, DIC)
ARC Professorial Fellow, Murdoch University

Date: Thursday 1 November 2007

Venue: Room 3.10, Level 3, Loneragan Building
Murdoch University
Murdoch, WA

Time: 4:30–6:30 pm; presentation followed by light refreshments

The topics covered in Professor Pashley's presentation will include: interaction forces between colloids and surfaces; the effect of salt on bubble coalescence; the stability of emulsions – the effects of de-gassing; *Cryptosporidium* removal from drinking water and novel water treatment processes for desalination and recycling.

Professor Pashley moved to Australia in 1978 as a Queen Elizabeth II Fellow. He has been Deputy Vice-Chancellor (Education) and Dean of Science at ANU, President of the ACT Branch of the Royal Australian Chemical Institute; has been awarded the Pawsey Medal for physics (Australian Academy of Science), the Rennie Medal for chemistry (Royal Australian Chemical Institute, 1985) and a Citation Laureate Medal (Institute of Scientific Information, Philadelphia, 2001), becoming one of only 33 Australian scientists to be internationally recognised for their exceptional contributions to research.

Professor Pashley's most recent research has focused on developing water recycling technologies for household and industrial applications. These new environmental technologies, such as household grey water and black water recycling and new desalination systems are set to grow in currency as our water problems escalate. He is also currently setting up two new companies in WA, to produce medical products and to develop novel desalination technologies.

Professor Pashley believes the growth of new industries expanding the state's industrial base beyond minerals and energy, will be important for the future of WA. As a member of the Premier's new Science and Innovation Council, he hopes to encourage links between universities and industry through state government initiatives.