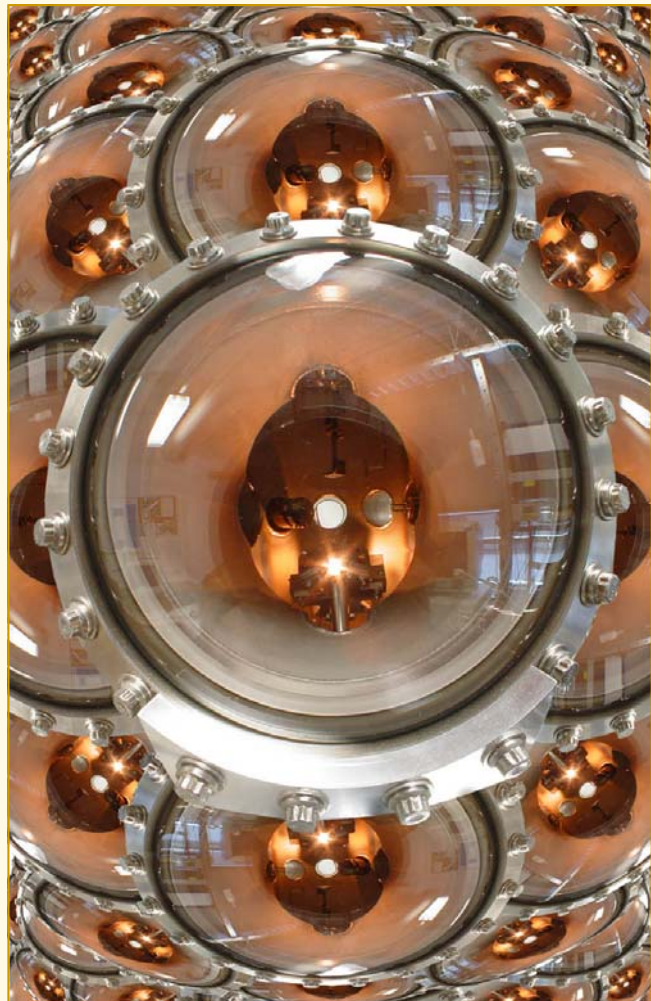


## EDUCATION

The Research School of Physics and Engineering is comprised of nine research departments. The Centre for Learning and Teaching in the Physical Sciences (CLTPS) provides undergraduate and graduate physics education to all students across these departments and supports research and innovation in physics education.

All academic staff of the Centre are members of the School's research departments working at the cutting edge of physics research in the country and a number are recipients of national teaching awards and competitive grants.



## Centre for Learning and Teaching in Physical Sciences



*Professor David McClelland*

This year the physics program was accredited by the Australian Institute of Physics. A set of recommendations for the continuing development of physics education at the ANU was prepared by the Research School of Physics and Engineering Education Working Party. These recommendations were supported by studies of leading international physics programs, including site visits.

As part of its quality and standards program the Centre hosted several national and international visitors, including Professor Eric Mazur of Harvard University.

At the coal face, the first year Advanced Physics courses introduced a mastery approach to learning designed to transfer more control over learning to students. The honours program focussed its coursework component and cultivated a strong sense of community amongst staff and students. It continues to explore ways of offering courses nationally.

As part of its ongoing program of using technology in education the Centre completed a major externally funded study of "Teaching Physics Using Virtual Reality", in collaboration with the University of Queensland.

### *Academic Staff*

#### **Professor and Head of Centre**

David McClelland BSc MSc UWA, PhD Otago (*Deputy Director, Education*)

#### **Professors**

Hans Bachor Dipl Phys PhD Hannover

Pier Bouwknegt MSc Utrecht, PhD Amsterdam, FAIP, FAustMS

John Close, BSc, PhD Berkeley

Ian Jackson BSc UQ PhD

Ping Koy Lam, BSc Auckland, MSc PhD

John Love MA Cambridge, MA DPhil DSc Oxford

Neil Manson MSc PhD Aberdeen (*Associate Director, Postgraduate*)

David Williams BSc Sydney, PhD Cambridge

#### **Senior Fellows / Readers**

Paul Francis BA PhD Cambridge

Matthew Hole BSc BE PhD Sydney

Joseph Hope BSc PhD

Craig Savage BSc PhD Waikato (*Associate Director, Undergraduate*)

Matthew Sellars BSc PhD (from June)

Susan Scott BSc Melbourne PhD Adelaide

**Fellows / Senior Lecturers**

Dragomir Neshev MSc PhD Sofia  
Anna Wilson BSc Bristol, PhD Liverpool

**Research Fellows / Lecturers**

Tristram Alexander PhD  
Benjamin Buchler BSc PhD  
Cormac Corr PhD Belfast  
Darren Goossens BSc PhD Monash  
Graham Hughes PhD  
Drew Parsons PhD Moscow  
Nick Robins BSc PhD  
Thomas Symul BSc ENS PhD CNET LAB

**Postdoctoral Fellow**

Mahyar Madadi PhD

***General Staff*****Head Technical Officer**

Andrew Papworth

**Technical Officers**

Neil Devlin  
Shane Grieves  
Paul McNamara  
Paul Tant

**Departmental Administrator**

Huma Cheema

**Administrative Officer**

Gaye Burrato

*Further information regarding CTLPS can be found on their webpage here:  
<http://physics.anu.edu.au/Teaching.php>*

*Note: CLTPS became Physics Education Centre (PEC) on 1 January 2010*