



14th National Congress of the Australian Institute of Physics

Adelaide University, South Australia:
December 10 — 15, 2000



Driving Technology Through Discovery,
Understanding and Innovation

INDIVIDUAL CONFERENCE PROGRAM

VERSION 2
(Excludes plenary sessions)

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AUSTRALIAN GENERAL RELATIVITY WORKSHOP - AUSTRALASIAN SOCIETY OF GENERAL RELATIVITY & GRAVITATION (ASGRG)

Monday, December 11, 2000

2:00 pm — 3:30 pm VENUE: BENHAM Chairperson: Jesper Munch

2:00 pm Dr David MCCLELLAND Australian National University
300 *Gravitational wave detection this decade?*

3:00 pm Mr Antony SEARLE Australian National University
301 *Network analysis for gravitational wave astronomy*

4:00 pm — 5:30 pm VENUE: BENHAM Chairperson: David McClelland

4:00 pm Dr Susan SCOTT Australian National University
302 *Coherent line removal in Caltech 40m data*

4:30 pm Daniel SHADDOCK Australian National University
303 *Power recycled Michelson interferometer with resonant sideband extraction for advanced gravitational wave detection*

5:00 pm Mr Christopher HOLLITT Adelaide University
304 *A direct measurement of the spectrum of thermal noise*

Tuesday, December 12, 2000

11:00 am — 12:30 pm VENUE: BENHAM Chairperson: David Wiltshire

11:00 am Ms Cindy NG Adelaide University
305 *Attractor solutions of generalised scalar field potentials and quintessence*

11:30 am Dr Malcolm ANDERSON Universiti Brunei Darussalam
306 *Embedding a straight cosmic string in a Robertson-Walker background*

12:00 pm Mr Marcus THATCHER Monash University
307 *Exotic Behaviour due to Frame Dragging in the Space-time of a Superconducting Cosmic String*

2:00 pm — 3:30 pm VENUE: BENHAM Chairperson: Susan Scott

2:00 pm PD Makoto NARITA Rikkyo University
308 *Asymptotic singular behavior of inhomogeneous spacetimes in string theory*

2:30 pm Mr Mike ASHLEY Australian National University
309 *Stability of the abstract boundary for space-time and optimal embeddings*

3:00 pm Dr Andrew NORTON University of Canberra
310 *Symbolic computation of polyhomogeneous asymptotic solutions of Einstein's equations in null characteristic transport form*

4:00 pm — 5:30 pm VENUE: BENHAM Chairperson: Malcolm Anderson

4:00 pm Dr Peter BOUWKNEGT Adelaide University
311 *Recent progress in string theory*

4:45 pm Dr David WILTSHIRE Adelaide University
312 *Brane Worlds*