



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 CONFERENCE FOR TEACHERS OF PHYSICS (SASTA)

Monday, December 11, 2000

2:00 pm — 3:30 pm KEYNOTE SESSION 1

VENUE: RENNIE THEATRE

Chairperson: Mike Roach

2:00 pm Prof Michael HOUGH Univeristy of Wollongong

800 *Physics education in a globalizing economy where knowledge and information are competitive advantages - Secondary physics context*

4:00 pm — 5:30 pm INFORMATION EXCHANGE

VENUE: RENNIE THEATRE

4:00 pm Dr Pal FEKETE University of Sydney

801 *High School Physics Resources on the WEB*

4:15 pm Mr Anton RAYNER The University of Queensland

802 *Teaching Problem Solving to Young Scientists*

4:30 pm Mr Dan O'KEEFFE Camberwell Grammar School

803 *Participation in Secondary Physics across Australia*

4:45 pm Ms Anne FERNANDEZ Uniserve Science

805 *Web-based references and resources for secondary science*

5:00 pm Prof John PRESCOTT Adelaide University

806 *Careers in Physics*

5:30 pm Dr Judith POLLARD Adelaide University

POSTER: Have Syllabus changes improved understanding in mechanics?

Tuesday, December 12, 2000

11:00 am — 12:30 pm KEYNOTE SESSION 2

VENUE: RENNIE THEATRE

Chairperson: Tony Thomas

11:00 am Prof Dean ZOLLMAN Kansas State University

807 *Teaching Quantum Mechanics to Everyone: Can it be done with Technology? - Secondary Physics Context*

2:00 pm — 3:30 pm COMPUTER INTERFACING

VENUE: RENNIE THEATRE

2:00 pm Dr Tony PUGATSCHEW Intellecta Technologies

808 *Computer Interfacing - "Developments and Directions"*

2:30 pm Mr Stephen HOWARD TAINLab

809 *Computer Interfacing - "Developments and Directions"*

3:00 pm Mr Russell ARMSTRONG Serrata Pty Ltd

810 *Computer Interfacing - "Developments and Directions"*

4:00 pm — 5:15 pm PHYSICS COURSES IN AUSTRALIA

VENUE: RENNIE THEATRE

4:00 pm Mr Neil CHAMPION Board of Studies

811 *Physics Courses in Australia*

Tuesday, December 12, 2000

**4:00 pm — 5:15 pm AUSTRALIAN CONFERENCE FOR TEACHERS OF PHYSICS (SASTA)
PHYSICS COURSES IN AUSTRALIA**

4:15 pm Ms Rosemary HAFNER Board of Studies

812 *Physics Courses in Australia*

4:30 pm Mr Ian FAULKNER SSABSA

813 *Physics Courses in Australia*

4:45 pm Mr Trevor PORTLOCK Pembroke School

814 *Physics Courses in Australia*