CONFERENCE ON UNIVERSITY PHYSICS EDUCATION (OZCUPE)

Monday, December 11, 2000

2:00 pm — 3:30 pm  VENUE: MACBETH

2:00 pm  Dr Elizabeth CHELKOWSKA University of Tasmania
          600 Improved outcomes in Physics service courses

2:15 pm  A/Prof Ian JOHNSTON The University of Sydney
          601 In search of a right way to teach Physics

2:30 pm  Dr Geoff SWAN Edith Cowan University
          602 Teaching learning skills and problem solving

2:45 pm  Ms Susan FETERIS Monash University
          603 Undergraduate Physics laboratories - Staff perceptions of purposes and outcomes

3:00 pm  A/Prof Trevor FINLAYSON Monash University
          604 A Professional studies unit for third year university students

3:15 pm  Discussion of all papers presented at this session

4:00 pm — 5:00 pm  VENUE: MACBETH

4:00 pm  Dr David LOW University College, UNSW
          605 Making air visible: Communicating ideas about the atmosphere

4:15 pm  Dr SOEGENG Institut Teknologi Bandung
          606 Simulation of the electromagnetic wave propagation in a rectangular waveguide

4:30 pm  Dr Michelle LIVETT University of Melbourne
          607 A web-based learning environment designed for interactive learning

5:00 pm — 5:30 pm  OZCUPE POSTER SESSION

      VENUE: GAMES, LEVEL 5

MT 001  Mrs Suzanne HOGG University of Technology, Sydney
        TAAcT reviewed and revisited

MT 002  A/Prof Roger LEWIS University of Wollongong
        Project-based learning in a WebCT environment

MT 003  Dr David LOW University College, UNSW
        Approaches to Flexible Delivery in Physics

MT 004  Dr Judith POLLARD Adelaide University
        POSTER: Have Syllabus changes improved understanding in mechanics?

MT 005  Ms Manjula SHARMA University of Sydney
        An investigation of student understanding of gravity

MT 006  Ms Kate WILSON University of Sydney
        Development of cooperative-learning thematic workshop tutorials
Tuesday, December 12, 2000
11:00 am — 12:30 pm  VENUE: MACBETH

11:00 am Mrs Anna - Eugenia BINNIE Macquarie University
608 The NSW HSC Physics syllabus and its implications for first year university Physics

11:15 am Mr Peter FLETCHER University of Sydney
609 How tertiary level Physics and Chemistry students learn to conceptualise quantum mechanics

11:30 am Mr Ian SEFTON University of Sydney
610 Tracing two common misconceptions about energy

11:45 am Discussion of all papers presented at this session

12:00 pm  Physics Education Group Annual General Meeting

2:00 pm — 3:30 pm  VENUE: BRAGG

2:00 pm Ms Manjula SHARMA University of Sydney
611 Easily Adaptable Thematic Physics Workshops

3:00 pm Dr Judith POLLARD Adelaide University
612 Providing choices in learning experiences for large classes - beyond Studio Physics

3:15 pm Discussion of all papers presented at this session

4:00 pm — 5:30 pm  VENUE: MACBETH

4:00 pm Dr John M LONG Deakin University
613 Internet control of a fluid mechanics practical for distance education students

4:15 pm Dr David MILLS Monash University
614 Physics – concepts and simulations – effectiveness of a flexible learning software package

4:30 pm Mr Anton RAYNER The University of Queensland
615 Advantages of flexible delivery for introductory physics

4:45 pm Mrs Suzanne HOGG University of Technology, Sydney
616 Print, Publish or Program?

5:00 pm Mr Pablo ANON University of Technology, Sydney
617 Flexible learning and intellectual property

5:15 pm Discussion of all papers presented at this session