Thursday, December 14, 2000

11:00 am — 12:30 pm  VENUE: NORTH DINING  Chairperson: Eva Bezak

11:00 am  Mr Jeremy BOOTH Royal Adelaide Hospital
500  The effect of variable fractional doses on rectum complications

11:20 am  Plamen Ch. IVANOV Boston University
501  Fractal and multifractal approaches to human heartbeat dynamics

11:40 am  Mr Guilin LIU Department of Medical Physics, Royal Adelaide Hospital
502  Linear accelerator mechanical radiation ISO centre assessment with an EP

12:00 pm  Dr Gil VELLA University of Sydney
503  The effect of arterial perfusion on the measured ultrasound induced heating in a fetal skull bone phantom

12:20 pm  Dr Michael JACKSON Royal Prince Alfred Hospital
504  Australian National Proton Facility

2:00 pm — 3:30 pm  VENUE: NORTH DINING  Chairperson: Gill Vella

2:00 pm  Ms Trang TRAN Adelaide University
505  Comparisons of two ferrous-sulphate gels for high image reconstruction using an optical scanning system

2:20 pm  Dr Bhaskar MUKHERJEE Australian Nuclear Science Technology Organisation
506  Cosmic radiation dosimetry of Australian air crew and passengers using superheated bubble dosimeter and miniature PIN diode detector

2:40 pm  Dr Ian MACLEAN Australian Communications Authority
507  Do mobile phones cause brain cancer?

3:00 pm  Dr Alfio PARISI University of Southern Queensland
508  Spectral, Broadband and Personal Solar UV Measurements at a Sub--Tropical Latitude

4:00 pm — 5:30 pm  VENUE: NORTH DINING  Chairperson: Ian Maclean

4:00 pm  Mr Setayesh BEHIN-AIN Adelaide University
509  Enhanced Monte Carlo simulation techniques used in modeling early tumour detection

4:20 pm  Dr Eva BEZAK Royal Adelaide Hospital
510  Monte Carlo simulations of proton energy deposition at the distal fall-off of the spread out Bragg peak in tissue

4:20 pm — 5:30 pm  POSTER SESSION  VENUE: GAMES, LEVEL 5

TF 156  Dr Aidan BYRNE Australian National University
Production of Terbium-149,152 by heavy ion reactions

TF 157  Dr Aidan BYRNE Australian National University
A versatile composite material for fast neutron shielding

TF 158  Mrs Loredana MARCU University of Adelaide
Fractionation and delivery schedules in combined radiotherapy-cisplatin for head and neck cancer
The evaluation of bioeffect treatment planning using neural network analysis