

Program for Workshop on Earth Sciences

12-13th December 2002

Conference Room, Building 55, ANSTO,
New Illawarra Road, Menai, NSW 2234

Purpose of the workshop: to outline scientific opportunities, technique and state-of-the-art instrumentation at overseas facilities. and to discuss background issues associated with instrument design specifications.

Thursday, 12th December 2002

Time	Presentation	Presenter	Chair
8:30	Arrival at ANSTO		
9:00	Opening and Welcome	Helen Garnett, ANSTO	
9:05	Introductions	Robert Robinson, ANSTO	A. Gleadow
9:15	<i>Instrument Opportunities at the Australian Replacement Research Reactor</i>	Robert Robinson, ANSTO	(U. of Melbourne)
9:35	<i>Neutrons and the interface between Earth, Mineral and Materials Sciences.</i>	John Parise, SUNY Stony Brook, USA	
10:30	Coffee		
10:45	<i>Recent Progress on High Pressure-High Temperature Neutron Diffraction Studies,</i>	Yusheng Zhao, Los Alamos National Lab, USA	A. Pring (South Australian Museum)
11:40	Scientific and Technical Visions	5 mins.for each interested attendee	B. Spies (ANSTO)
12:30	Lunch		
13:30	<i>Structure and dynamics in Earth's interior: present and future prospects with neutrons.</i>	Simon Redfern, Cambridge University and ANU	D. Garnett (Becqerel Laboratories)
14:30	<i>Applications of Neutron Radiography to problems in the Natural Resource Industry</i>	Mike Middleton, Curtin University	
15:00	<i>Small-Angle Neutron Scattering and Petroleum Geology</i>	Andrzej Radlinski, Geosciences Australia	
15:30	Workshop Photo		
15:35	Afternoon Tea		
15:50	Discussion of Scientific Opportunities	Forum for discussion	B. Hunter (ANSTO)
18:00	Move to Dinner		
18:30	Workshop Dinner	Dijons Resturant, 2 Prices Ct, Woronora, 9545-4357	

Preliminary Program for Workshop on Earth Sciences

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Friday, 13th December 2002

Time	Presentation	Presenter	Chair
8:50	Arrival at ANSTO		
9:00	Welcome Back	Rob Robinson ANSTO	G. Roach, (ALCOA)
9:05	<i>Neutron Activation in the Geosciences</i>	David Garnett Becquerel Laboratories	
9:40	<i>Use of Irradiation in the Geosciences</i>	Paul Green Geotrack Australia	
10:15	Coffee		
10:30	<i>Synchrotron Radiation for the Earth Sciences</i>	Richard Garrett ANSTO	H. O'Neill (ANU)
11:00	<i>Characteristics of the Cold Source and Neutron Guides at the Australian RRR</i>	Shane Kennedy ANSTO	
11:30	Discussion Forum	Shane Kennedy, ANSTO	
11:45	Drafting of Workshop Report	Robert Robinson, ANSTO	
13:00	Lunch		
13:30	Report writing		
16:30	Workshop Summary and Close		

Thursday Evening Dinner

Dijon's Restaurant at Woronora

2 Prices Circuit
Woronora, NSW, 2232 Australia
Ph: 9545 4357

Exit bridge to left.
Follow road underneath.
Cross river again.
Turn left into Prices Circuit

ANSTO

