

- 1: School of Law Conference Venue 2: Royal Exhibition Building 3: Museum of Victoria 4: Airport Bus Terminal 5: Flinders Street Railway Station 6: National Gallery of Victoria 7: Melbourne Central Railway Station

****For a more detailed city map, please refer to the Melbourne Official Visitors' Map in your conference satchel.**

Name Badges

Participants should wear their name badges at all times while in the School of Law. If you misplace your badge, please ask the registration desk for a new one.

Programme Changes

Variations to the programme will be announced in sessions, and will be posted on a notice board at the registration desk.

Oral Presentations

The X05 venue is well-equipped with modern audio-visual equipment. Presenters may use PowerPoint or PDF formats or conventional overhead transparencies. In-house equipment uses the Windows operating system, and electronic presentations should be on memory stick or CD. Most laptop computers may be plugged directly into the audio-visual equipment.

Internet Access

The University's wireless network cannot be used by X05 delegates. Access to internet services, particularly web-based email, will be available throughout the conference at 20 PCs in a reading room adjacent to the Law Faculty library.

Mobile telephones

Please ensure that your mobile telephone is switched off during scientific sessions and during the events.

Messages and administrative support

Messages may be posted and collected at the registration desk. The Conference Managers will be able to help with small administrative tasks such as sending or receiving fax or phone messages or photocopying.

Smoking

The University of Melbourne has a strict no-smoking policy that prohibits smoking within University buildings or within fifteen metres of the building entrances. State laws ban smoking on public transport or in buildings open to the public, including shops and restaurants.

Catering

Morning and afternoon tea will be available when sessions are scheduled, except on Wednesday afternoon. Lunch will be available Monday to Thursday. Catering will be on Level 1 of the School of Law, near the rear exit of the main lecture hall.

Posters

Poster boards measuring 2m x 1m will be provided. Posters should not exceed 1m x 1m. The boards are double sided so that four posters can be mounted on each board. Materials to fix posters to boards will be available from the registration desk.

EVENTS

Welcoming Event

Delegates are invited to an informal Welcoming Event at 17:30-19:30 on Sunday 3 July in the **Woodward Conference Centre** on Level 10 of the School of Law building. You may register and collect conference materials during this event.

Accompanying Persons

Accompanying persons are invited to morning tea at University House at 11:30 on Tuesday 5 July. Members of the Local Organizing Committee and the Conference Management Team will be happy to suggest activities in Melbourne and the surrounding area.

Australian Synchrotron Site Visit

The Victorian Government is building the Australian Synchrotron which will open in 2007. The building to house this national facility has already been completed at a site near Monash University in Clayton. On Wednesday 6 July, Professor Frank Larkins, will deliver a special lecture, *Introduction to the Australian Synchrotron*. After this lecture, there will be a visit to the site to view progress and discuss the project with members of the development team. Buses depart from outside the Law Building at 15:30, and will depart the Australian Synchrotron site at around 18:00.

Meeting of X05 International Scientific Committee

The venue and Chair of the next conference in the series, X08, will be selected by members of the International Scientific Committee. Bidders for the right to hold this event will each deliver a 10-15 minute presentation in the Conference Room, Level 5, 161 Barry Street (Corner Grattan Street) between 17:45 and 19:00. After this meeting there will be a dinner at University House at 19:30-22:30, which will include members of the X05 local organizing committee and invited guests.

Conference Banquet

The Conference Banquet will be held in the **Great Hall of the National Gallery of Victoria (NGV)**, approximately two and a half kilometers from the X05 venue. Any south-bound tram on Swanston Street will take you to the NGV. Please contact the registration desk if you have special dietary needs that were not stated on your registration form.

Closing Event

To close X05, we have arranged a tour of the World Heritage listed Royal Exhibition Building and the Museum of Victoria, a short walk east of the conference venue. There will be an informal reception to follow the tour.

THE UNIVERSITY OF MELBOURNE PRECINCT

The University of Melbourne was founded in 1854, and many interesting and historic buildings lie within the campus. The University is within easy walking distance of Melbourne's city centre, which is the region bounded by Flinders Street, Spring Street, La Trobe Street and Spencer Street. The corner of Swanston and Bourke Streets is the heart of the retail centre. Lygon Street, a short walk to the east of The University, has a large and diverse selection of cafés, restaurants, bookshops, pubs and bars.

To assist you finding your way around the University, detailed maps are mounted on boards at every entrance and throughout the campus.

ABOUT MELBOURNE

Climate

It is mid-winter in Melbourne during July and the weather will probably be unsettled. Peak daily temperatures can be around 15°C but the weather can change very rapidly. Carrying a jacket or umbrella is wise, even if the morning is sunny.

Banking Facilities

Australian currency is available from automatic teller machines (ATMs) which may be accessed using international credit cards (Visa and Mastercard) and international cash debit schemes (Cirrus and Maestro). Banking services are available on Campus, and in banks on Swanston Street in the city centre. A fee may be charged for services.

Time	Sunday 3 July 2005	Monday 4 July 2005	Tuesday 5 July 2005
8:20am		Registration Desk opens daily	Registration Desk opens daily
		Session 1	Session 6
9:00 - 10:00		Plenary: Non-dipole contributions to radiation processes	Plenary: Photoionization (incl. XAFS, XANES)
Chair		Frank Larkins: Opening	Stephen Best
9:15		Richard Pratt (Pittsburgh)	John Rehr (Washington State)
		Session 2a	Session 2b
		Session 7a	Session 7b
10:00 - 11:30		XANES & materials	Imaging & X-ray Correlation Spectroscopy
Chair		Few-electron inner shell processes	Biological applications of X-ray techniques
10:30	3x30min or 1x30 min & 3x20 min	K Ueda Marcelli, Augusto Kodre, Alojz Zhong, Jun	G Pruemper Yagashita, Akira Wilkins, Steve Zhu, Dr Peiping Liu, Xiao-Jing
11:30		P Mokler Drake, Gordon Ivanov, I.A Kinnane, Mark	L Schmidt Wu, Ziyu Sato, Eiichi Shu, H
		Coffee	
		Session 3a	Session 3b
		Session 8a	Session 8b
11:55-12:55		Clusters	EMS and momentum imaging
Chair		Microscopy & Circular Dichroism	Detectors & developments
12:15	3x20min or 2x 30 min	N Berrah Soldatov, A Gao, Bin Hoszowska, Joanna	K Ito Vos, Maarten Sharma, V Riley, J
12:35		U Becker Koide, Tsuneharu Janke-Gilman, N	LT Hudson Szabo, Csilla Ragozin, Eugene Hatsui, Takaki
12:55		Lunch	
		Session 4	Session 9
14:00-15:30		Near-Threshold Photoionization	Poster Session I
Chair		R Pratt Hergenbahn, Uwe Brena, Barbara Borovoy, N.A.	
14:30	3x30min		
14:50		Coffee	
15:10		Session 5a	Session 5b
15:30		Session 10a	Session 10b
16:00-17:30		Pump-probe experiments	Auger processes
Chair		Compton/Scattering	Ultrafast/ imaging
16:30	3x30min	R Moshammer Young, Linda Pruemper, Georg Chandra, Naresh	A Yagashita Ito, Kenji Prince, Kevin Carravetta, Vincenzo
17:00		P Beiersdorfer Malcolm Cooper Suric, Tihomir Kotani, Akio	L Young Moshammer, Robert Luning, Jan Nugent, Keith
17:30		Coffee	
19:00	Registration and Welcome Reception Woodward Conference Centre(Law Building) 17:30-19:30	International Scientific Committee Meeting 17:30-19:00 Committee Dinner: 19:30pm-22:00pm	
19:30			

Note: Accompanying persons morning tea Tuesday, University House, 11:30am

Time		Wednesday 6 July 2005	Thursday 7 July 2005	Friday 8 July 2005
8:20am		Registration Desk opens daily	Registration Desk opens daily	Registration Desk opens daily
		Session 11	Session 15	Session 19
9:00 - 10:00		Plenary: Multi-electronic excitations in atoms Robert Leckey	Plenary: New directions in X-ray Science Keith Nugent	Plenary: X-Ray spectroscopy at next-generation ICF sources Chris Chantler
Chair		Moshe Deutsch (Bar-Ilan, Israel)	Margaret Murnane (JILA)	Larry Hudson (NIST)
9:15		Session 12a	Session 12b	Session 16a
		Fundamental processes & QED	Scattering / Solutions	Interference, charged particle impact & photoionization
10:00 - 11:30		GWF Drake	P Morin	JJ Rehr
Chair		Crespo Lopez-Arrutia	Bradley, David	Schmidt, Lothar
		Beiersdorfer, Peter	Singh, Nirmal	Tribedi, Lokesh
10:30	3x30min or 1x30 min & 3x20 min	Mokler, Paul	You, Hoydoo von Oertzen, G.	Ueda, Kiyoshi
		Session 16b	Session 16b	Session 20
		XANES & XAFS: Model systems	XANES & XAFS: Model systems	Hot Topics I
11:00		A Marcelli	A Marcelli	G Borchert
		Lucovsky, Gerry	Lucovsky, Gerry	Morin, Paul
11:30		Best, Stephen	Best, Stephen	Berrah, Nora
		Singhal, R. K.	Singhal, R. K.	Becker, Uwe
		Hayashi, Hisashi	Hayashi, Hisashi	
		Coffee	Coffee	Coffee
11:55-12:55		Session 13a	Session 13b	Session 17a
		Nuclear and gamma-ray spectroscopy	Double K-shell photoionization	Full kinematics of X-ray processes
Chair		J Luning	Z Wu	D Bradley
		Ilakovac, K	Kanter, Eliot	Chen, Dongliang
12:15	3x20min or 2x 30 min	Nikitenko, Serge	Dousse, J-C	Chantler, Chris
12:35		Johnston, Peter		Kochur, Andrei
				Peele, Andrew
12:55				M Murnane
				Borchert, Gunther
				Cavell, Ronald
				Peele, Andrew
				T Suric
				Tran, Chanh
				Bossak, A.
				Ignatiev, Sasha
		Lunch	Lunch	
14:00-15:30		Session 14a	Session 14b	Session 18
Chair		Short Topics (10 min)	Short Topics (10 min)	Poster Session II
		FP Larkins	M Simon	Closing event Visit to Royal Exhibition Building and Museum of Melbourne 2:00pm-5:00pm
14:30		Chu, WS	Li, S	
14:50		Yuan, Qingxi	Huang, W.	
15:10		Chen, X	Hu, Rong	
		Liu, Xinyan	Hua, W.	
		Xin, D	Wang, J.	
15:30		15:00 FP Larkins		
		Buses leave 3:30pm		
		Site Visit to Australian Synchrotron	Coffee	
			Free Session	IRPS meeting
				G29 ,Law
				4pm-5:30pm
		Buses Return 6:00pm		

Conference Banquet: The Great Hall National Gallery of Victoria (19:00-22:30)

Post Office

The central Post Office is on the corner of Elizabeth Street and Little Bourke Street in the city centre. Postal facilities are also available on the ground floor of the University of Melbourne's School of Architecture.

Shopping

The city centre contains department stores (Myer and David Jones in the Bourke Street Mall), as well as smaller outlets for all kinds of consumer goods.

Electrical Devices

The electricity supply throughout Australia is 240V 50Hz AC.

Melbourne International Airport

Melbourne International Airport (Tullamarine) is approximately 15 kilometres from the Central Business District, and is serviced by taxi and bus services. A typical taxi fare from the University of Melbourne or the city centre to the airport is AU\$30-35. A regular shuttle bus service (AU\$13, one-way) operates between the airport and Spencer Street Railway Station. The airport bus terminal is on the northern edge of the station complex, on the western side of Spencer Street near the intersection with Lonsdale Street.

To get to the University of Melbourne from Spencer Street, take any eastbound tram from the intersection of Bourke Street and Spencer Street to the corner of Bourke Street and Swanston Street. Then take any northbound tram whose destination is *University*. These trams terminate outside the University on Swanston Street, which is convenient if you have booked accommodation in St Mary's College or Rydges Hotel. A single two hour Zone 1 ticket (AU\$2.30) may be used for this journey, which will take about 25 minutes. Alternatively, there is a taxi rank near the bus terminal that will take you directly to your accommodation (AU\$10-15).

Eating and Drinking

Apart from the Conference Banquet, evening meals are not included in the X05 programme or the cost of registration.

The Lygon Street area to the east of the University precinct, the city centre and Southbank offer cuisine covering all tastes and budgets. The area surrounding the University is best known for Italian-style cafes and restaurants accustomed to catering for budget-conscious students, but check prices before ordering. Chinatown, centred on Little Bourke Street east of Swanston Street is a diverse Asian precinct with many good places to eat. On the southern bank of the Yarra River the Southbank complex has many restaurants with splendid night-time views of the City and the river, as does Crown Casino. Federation Square on the corner of Flinders Street and Swanston Street is well worth a visit and also contains a fine gallery of Australian art.

Some restaurants display the sign BYO (Bring Your Own). This means that they are not licensed to sell alcohol, but you may bring your own wine or beer, for which a small corkage charge may be payable.

Melbourne's most famous pub is Young and Jackson's (opposite Flinders Street Station). In the University precinct, pubs frequented by students include the Corkman Irish Bar (adjacent to the School of Law), The Plough and Harrow (corner Swanston Street and

Pelham Street), the Prince Alfred (Grattan Street) and The Clyde (corner Elgin Street and Cardigan Street).

*****For a detailed list of cafes and restaurants close to the X05 venue, including on-campus services, please refer to the flyers in your conference satchel.***

Tips and Gratuities

These are neither required nor expected in Australia, including taxis.

Public Transport

A single ticket may be used for transfers across the entire Melbourne public transport network of trams, trains and buses. . Tickets are issued according to transport zones, and are valid for two hours, a day, a week, or for longer periods. All X05 venues are within Transport Zone 1.

Tickets may be obtained from railway stations and from shops displaying the *Metcard* symbol (a blue label in the window or a blue pennant outside the shop). Tickets may also be bought from coin-operated vending machines on trams. Tickets must be validated at the start of *each* journey using the green validation boxes on trams and buses, or at the entrance gates at railway stations. Ticket inspectors can demand that you show a validated ticket.

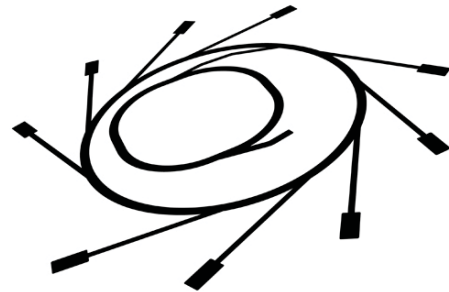
Personal Insurance

Participants in X05 are responsible for any loss or injury to person or property, including baggage, clothing and personal effects, during the conference. The organizers accept no responsibility for any loss or injury.

NOTES

X05

**The University of Melbourne
4-8 July 2005**



Australian Synchrotron



**THE UNIVERSITY OF
MELBOURNE**