

# PROGRAM AT A GLANCE



		Sunday 3 July 2005	Monday 4 July 2005	Tuesday 5 July 2005	Wednesday 6 July 2005	Thursday 7 July 2005	
			<b>Participating Divisions &amp; Groups</b> <i>Analytical, Biomolecular, Chemical Education, Cereal, Inorganic, Organic and Physical Chemistry</i>	<b>Participating Divisions &amp; Groups</b> <i>Analytical, Biomolecular, Cereal, Chemical Education, Electrochemistry, Industrial (poster session only), Inorganic, Organic, Physical, Polymer and Solid State Chemistry</i>	<b>Participating Divisions &amp; Groups</b> <i>Analytical, Biomolecular, Cereal, Chemical Education, Electrochemistry, Environmental, History &amp; Archives, Industrial, Inorganic, Organic, Pharmaceutical, Physical and Polymer</i>	<b>Participating Divisions &amp; Groups</b> <b>Connect Perspectives</b> will discuss the impact of major new infrastructure, particularly the synchrotron and reactor, on Australian science. New opportunities for research and advantages for industry will be examined. <i>Analytical, Biomolecular, Chemical Education, Cereal, Consultants &amp; Contractors, Electrochemistry, Inorganic, Organic and Physical Chemistry</i> will have concurrent sessions in the morning.	
	7.30am		Registration Open <b>7.30am–8.00pm</b> Exhibition Open	Registration Open <b>7.30am–8.00pm</b> Exhibition Open	Registration Open <b>7.30am–4.15pm</b> Exhibition Open	Registration Open	
	7.45am		COFFEE/TEA SERVED	COFFEE/TEA SERVED	COFFEE/TEA SERVED	COFFEE/TEA SERVED	
	8.30am		<b>Conference Opening</b>				
	8.45am		<b>Plenary Session</b> RICHARD ZARE	<b>Plenary Session</b> BERT MEIJER	<b>Plenary Session</b> KOICHI TANAKA	<b>Plenary: 'Future of chemistry in Australia' launch</b>	
	10.00am	Optional pre-convention symposia (University of Sydney)	Concurrent Divisional Plenaries	Concurrent Divisional Plenaries	Concurrent Divisional Plenaries	Connect Perspectives Symposium	Divisional Concurrent Streams
	10.40am		MORNING TEA (EXHIBITION HALL)	MORNING TEA (EXHIBITION HALL)	MORNING TEA (EXHIBITION HALL)	MORNING TEA (TUMBALONG FOYER)	
	11.10am		Concurrent Divisional Streams	Concurrent Divisional Streams	Concurrent Divisional Streams	Connect Perspectives Symposium	Divisional Concurrent Streams
	12.50pm		LUNCH (EXHIBITION HALL)	LUNCH (EXHIBITION HALL)	LUNCH (EXHIBITION HALL)	LUNCH (TUMBALONG FOYER)	
	1.50pm	<b>2.00–7.30pm</b>	<b>Plenary Session</b> ANDREW HOLMES	<b>Plenary Session</b> PETER J SCHULTZ	<b>Plenary Session</b> R MARK WIGHTMAN	<b>Connect Perspectives Symposium</b>	
	3.00pm	Registration Open (Sydney Convention Centre South)	Concurrent Divisional Plenaries	Concurrent Divisional Plenaries	Concurrent Divisional Plenaries		
	3.40pm		AFTERNOON TEA (EXHIBITION HALL)	AFTERNOON TEA (EXHIBITION HALL)	AFTERNOON TEA (EXHIBITION HALL)	AFTERNOON TEA (TUMBALONG FOYER)	
	4.10pm		Concurrent Divisional Streams	Concurrent Divisional Streams	Concurrent Divisional Streams	<b>Connect Perspectives Symposium</b> <b>4.15–4.40pm</b> Conference Close	
	5.30pm	<b>5.30pm–7.30pm</b> Welcome Reception & Exhibition Opening (Exhibition Hall 6, Sydney Convention Centre)					
	5.50pm–7.50pm		<b>5.50–7.50pm</b> Poster Sessions	<b>5.50–7.50pm</b> Poster Sessions	<b>5.50pm–6.30pm</b> Divisional AGMs		
	Evening		<b>8.00pm</b> Optional Informal Dinner (The Malaya, King Street Wharf, Darling Harbour)	<b>8.00pm</b> Optional Pub Crawl or Organic Retirees' Dinner (The Little Snail, Murray Street, Pyrmont)	<b>7.30pm</b> Optional Connect Banquet and RACI Awards Presentations (Sydney Convention Centre)	<b>7.30pm</b> Optional Cereal Division Dinner (Dockside, Cockle Bay Wharf, Darling Harbour)	

# MONDAY 4 JULY

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7.30am	<b>Registration Open/ Exhibition Open</b> — COFFEE/ TEA SERVED IN EXHIBITION HALL							
8.30am	<b>Opening</b>							
8.50am	<b>Plenary</b> — PROFESSOR RICHARD ZARE — PROSPECTS FOR MICRO- AND NANOSCALE CHEMICAL ANALYSIS							
9.50am	<b>Change over time</b>							
	<b>AAC/RACI Joint Symposium</b>	<b>Analytical</b>	<b>Biomolecular</b>	<b>Organic</b>		<b>Inorganic</b>	<b>Physical</b>	<b>Chemical Education/ Organic</b>
<b>10.00am Divisional Plenary</b>	<b>MISKELLY</b> PHYSICO-CHEMICAL PROPERTIES OF NON-WAXY AND WAXY RICE DURING KERNEL DEVELOPMENT	<b>MARRIOTT</b> OPPORTUNITIES FOR COMPREHENSIVE TWO-DIMENSIONAL GAS CHROMATOGRAPHY IN CHEMICAL 'OMICS' ANALYSIS	<b>HIROKAWA</b> KINESIN SUPERFAMILY PROTEINS, KIFS AND INTRACELLULAR TRANSPORT: GENES, STRUCTURE, DYNAMICS AND FUNCTION	<b>ISOBE</b> ACETYLENE COBALT COMPLEX WITH LIGAND EXCHANGE METHODS FOR NATURAL PRODUCT SYNTHESIS		<b>YAM</b> LUMINESCENT METAL-BASED MOLECULAR MATERIALS: FROM DESIGN TO ASSEMBLY AND FUNCTIONS	<b>DIVISION MEDALIST</b>	<b>MANN</b> WHAT'S THE USE OF CHEMISTRY: DRUGS FROM NATURE'S MEDICINE CHEST
<b>10.40am</b>	MORNING TEA (EXHIBITION HALL), 'STUDENTS MEET PROFESSOR RICHARD ZARE' (PROMENADE MEETING ROOM 6) AND TRADE TALKS (PROMENADE MEETING ROOM 3)							
<i>Session Theme</i>	<i>AACC/CCD Joint Symposium Asian Cereal Foods</i>	<i>Advances in Analytical Separations</i>	<i>Bioactive Drug Discovery</i>	<i>Organic Synthesis 1</i>	<i>Organic Synthesis 2</i>	<i>General Inorganic</i>	<i>Medal (eclectic mix)</i>	<i>Chemical Education/ Organic</i>
<b>11.10am</b>	<b>ROSS</b> NEW APPROACHES TO IDENTIFY GLUTEN PROTEINS WITH ENHANCED IMPACTS ON ASIAN NOODLE TEXTURE	<b>CAWLEY</b> THE DETECTION OF ENDOGENOUS STEROID ABUSE IN SPORT	<b>ALEWOOD</b> IMPROVING ON NATURE: CONTROLLING THE SHAPE AND FUNCTIONALITY OF CYSTEINE-RICH CONOTOXINS	<b>PEDERSEN</b> ASYMMETRIC SYNTHESIS OF CYCLOPROPANES BASED ON DIPHENYLPHOSPHINE OXIDE CHEMISTRY	<b>REISER</b> ASYMMETRIC CATALYSIS WITH HETERO-AROMATIC STARTING MATERIALS TOWARDS NATURAL PRODUCTS AND ANALOGS	<b>MASTER</b> WHAT IS THE MOST WIDELY USED INDUSTRIAL-HOMOGENEOUS CATALYST?	<b>GIBSON</b> SPECTROSCOPY AND DYNAMICS OF COLLISIONAL COOLING, CLUSTER FORMATION, AND REACTION INTERMEDIATES VIA DUAL-PULSED COAXIAL NOZZLE TECHNIQUES	<b>GLOVER</b> APPLICATIONS OF COMPUTATIONAL CHEMISTRY AND MOLECULAR MODELLING TO TEACHING ORGANIC CHEMISTRY
<b>11.30am</b>	<b>LEE</b> APPLICATIONS OF REOLOGICAL PRINCIPLES TO NOODLE TEXTURE STUDIES	<b>MCCULLOUGH</b> NEW TECHNOLOGY FOR TOC ANALYSIS	<b>CAPON</b> RECENT ADVANCES IN AUSTRALIAN MARINE AND MICROBIAL BIODISCOVERY		<b>LISTER</b> TOWARDS A TOTAL SYNTHESIS OF DOLABRIFEROL	<b>D'ALLESSANDRO</b> FUNDAMENTAL STEREO-CHEMICAL EFFECTS ON INTERVALENCE CHARGE TRANSFER	<b>COOTE</b> COMPUTER-AIDED DESIGN OF RAFT AGENTS	
<b>11.50am</b>	<b>QUAIL</b> EFFECT OF VACUUM MIXING ON THE QUALITY OF WHITE SALTED NOODLES	<b>HARYNUK</b> SEPARATION OF FATTY ACID DERIVATIVES BY GC X GC	<b>OBIED</b> ANTIOXIDANT BIOPHENOLS FROM AUSTRALIAN OLIVE MILL WASTE (MEDICINE FROM AGRICULTURAL WASTE)	<b>SMITH</b> A NEW EFFICIENT SYNTHESIS OF 4'-PYRIDYL TERPYRIDINES IN PEG (POLYETHYLENEGLYCOL)	<b>YUEN</b> TOWARDS THE TOTAL SYNTHESIS OF STEPHANOTIC ACID	<b>BLACKMAN</b> STERIC INHIBITION OF PROTONATION IN CO(III) COMPLEXES CONTAINING CHELATED CARBONATE	<b>SCHMIDT</b> UNRAVELLING INTERSTELLAR CHEMISTRY BY STUDYING THE RED RECTANGLE	<b>MOCERINO</b> THE REPRESENTATION OF ORGANIC MOLECULES AND ITS IMPACT ON STUDENT UNDERSTANDING
<b>12.10pm</b>	<b>HUANG</b> CURRENT STEAMED BREAD STYLES IN CHINA	<b>SIMON</b> CHEMICAL CHALLENGES IN DEVELOPING PHARMACEUTICAL PRODUCTS FOR THE 21ST CENTURY	<b>BROUWER</b> GREEN BUGS: OPTIMISATION AND USE OF THE FLUORESCIN DIACETATE ANTIMICROBIAL ASSAY	<b>ROSAMILIA</b> A NEW MULTI-COMPONENT REACTION FOR THE SYNTHESIS OF ANILINE DERIVATIVES	<b>BREMNER</b> SYNTHESIS OF NEW BENZO[B]THIENO FUSED RING SYSTEMS VIA METAL ION MEDIATED CYCLISATIONS	<b>LAWES</b> INSIGHT INTO BINDING PREFERENCES AND EXCHANGE IN ALKANE COMPLEXES, USING NMR SPECTROSCOPY	<b>YATES</b> ACTIVATION OF MOLECULAR NITROGEN VIA MOLYBDENUM COMPLEXES: A CAREFUL THEORETICAL INVESTIGATION	<b>READ</b> IS THERE A 'EUREKA MOMENT' IN DEVELOPING UNDERSTANDING OF ORGANIC CHEMISTRY?
<b>12.30pm</b>	<b>FU</b> EVALUATION OF FLOUR QUALITY FOR STEAMED BREAD PROCESSING: A MODEL USING CANADIAN WHEAT	<b>DAVEY</b> OPTIMISATION OF A MICROSTILL FLOW INJECTION SYSTEM FOR AMMONIA MEASUREMENT	<b>JAMIE</b> BUSH MEDICINE RESEARCH PARTNERSHIPS FOR DRUG DISCOVERY AND CULTURAL PRESERVATION	<b>LOUGHLIN</b> BICYCLOALKANOLS: A TALE WITH A TWIST	<b>HARTLEY</b> TOWARDS THE TOTAL SYNTHESIS OF THE STEMONA ALKALOID (+)- CROOMINE	<b>WILD</b> NEW APPROACH TO THE ASYMMETRIC SYNTHESIS OF TERTIARY ARSINES AND RELATED COMPOUNDS	<b>GHIGGINO</b> PHOTO-INDUCED CHARGE SEPARATION IN BRIDGED AND SELF-ASSEMBLED DONOR-ACCEPTOR SYSTEMS	<b>HUGGINS</b> NUCLEAR OVERHAUSER EFFECT SPECTROSCOPY: AN ADVANCED UNDERGRADUATE EXPERIMENT
<b>12.50pm</b>	LUNCH (EXHIBITION HALL) & TRADE TALKS (PROMENADE MEETING ROOM 3)							
<b>1.50pm</b>	<b>Plenary</b> — PROFESSOR ANDREW HOLMES — HARNESSING THE TRIPLET STATE IN POLYMER LEDS							
<b>2.50pm</b>	<b>Change over time</b>							



## MONDAY 4 JULY CONTD

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# TUESDAY 5 JULY

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	7.30am	Registration Open										
	7.45am	Exhibition Opens — Coffee/tea served										
	8.45am	Plenary — PROFESSOR BERT MEIJER — THE SUPRAMOLECULAR SYNTHESIS OF COMPLEX SYSTEMS										
	9.50am	Change over time										
		Cereal	Analytical/Electro Chem	Joint Organic/Inorganic		Biomolecular	Physical	Solid State	Polymer	Industrial	Chem Education/ Inorganic	
	10.00am Divisional Plenary	STONE THE ORGANIZATION OF NON-CELLULOSIC POLYSACCHARIDES IN THE WALLS OF ALEURONE AND STARCHY ENDOSPERM CELLS OF CEREAL GRAINS	BOUTELLE ON-LINE BIOSENSORS FOR USE WITH NEUROSURGICAL PATIENTS: UNDERSTANDING THROUGH ELECTROANALYSIS	RENDINA ORGANOPLATINUM CHEMISTRY: A BRIEF RETROSPECTIVE		WUSTROW THE ROLE OF A2-D CALCIUM CHANNEL SUBUNITS IN THE BIOLOGICAL ACTIVITY OF PREGABALIN	VOTH MULTISCALE SIMULATION OF CONDENSED PHASE AND BIOMOLECULAR SYSTEMS	ANZAAS LIVERSIDGE LECTURESHIP	BILL STIRLING POLYMER SCIENCE AT THE ESRF	POSTER SESSION ONLY	CONSTABLE ARE 'INORGANIC', 'ORGANIC' AND 'PHYSICAL' USEFUL PARADIGMS FOR 21ST CENTURY CHEMISTRY?	
	10.40am	MORNING TEA (EXHIBITION HALL) & 'STUDENTS MEET PROFESSOR BERT MEIJER' (PROMENADE MEETING ROOM 6) AND TRADE TALKS (PROMENADE MEETING ROOM 3)										
	Session Theme	Characterising Cereal	Smart electro-chemical biosensors	Catalysis	Materials	Medicinal Chemistry	Complex Phenomena	Metal Oxides	Synthesis and Characterisation	Industrial	Chem Education/ Inorganic	
	11.10am	ALLEN LMAA AND WHEAT QUALITY	FOWLER AN EFFICIENT ANTIBODY IMMOBILISATION STRATEGY FOR AN ELECTROCHEMICAL IMMUNOSENSOR BASED ON A SELF-ASSEMBLED LAYER OF MODIFIED	MESSERLE TRANSITION METAL CATALYSTS FOR THE EFFICIENT SYNTHESIS OF HETEROCYCLES FROM ALKYNES	RASTON CONTROLLING THE INTERPLAY OF FULLERENE C70 MOLECULES VIA COMPLEXATION WITH CALIX[6]ARENES	WATSON SYNTHESIS OF 1,3,5-TRIAZINE ANALOGS OF THE IMIDAZOLE ALKALOID NAAMIDINE A	EVANS THE FLUCTUATION THEOREM	JAMES STRUCTURE AND MAGNETISM IN RARE EARTH STRONTIUM-DOPED PEROVSKITES	KNOTT X-RAY AND NEUTRON SCATTERING FOR THE INVESTIGATION OF POLYMER STRUCTURE	POSTER SESSION ONLY	BUCAT THE (NON-) PERCEPTION OF CHEMISTRY AS A HUMAN ENDEAVOUR	
	11.30am	KONIC-ROSE FURTHER STARCH CHARACTERISATION OF WHEAT LINES WITH DIFFERENT STARCH SYNTHASE IIA NULL ALLELES	ADELOJU FABRICATION OF AN ULTRA-SENSITIVE POLYPYRROLE-SULFITE OXIDASE BIOSENSOR FOR SULFITE DETERMINATION IN BEVERAGES	ATEFI PALLADIUM-ASSISTED FORMATION OF ORGANOMETALLIC PORPHYRINS	LINDOY NEW METALLO-SUPRAMOLECULAR SYSTEMS: ELLIPSES, CATENANES AND TETRAHEDRONS	JOHNSTON GABA-C RECEPTOR ANTAGONISTS AND MEMORY	JORDAN QUANTUM EFFECTS IN LOOSELY BOUND COMPLEXES			POSTER SESSION ONLY		
	11.50am	RITTAU FACTORS AFFECTING THE RESULTS OF SDS SEDIMENTATION TESTING OF FLOUR AND WHOLEMEAL	WONG ELECTROCHEMICAL DETECTION AND KINETICS STUDY OF DNA HYBRIDIZATION USING	REISER METAL COMPLEXES OF NOVEL PENTACOORDINATING BIS(OXAZOLINE) COMPLEXES	WATKINS LIGHT EMITTING METAL COMPLEXES: SMALL MOLECULES, OLIGOMERS AND POLYMERS	103 KUMAR CHIRAL GABAC SELECTIVE ANTAGONISTS	NORDHOLM STATISTICAL THEORY OF COLLISIONAL ENERGY TRANSFER: PROGRESS TOWARDS AN UNDERSTANDING OF UNIMOLECULAR REACTIONS	LING MAGNETIC CLUSTER BEHAVIOUR IN 3D AND PSEUDO-2D ELECTRON-DOPED CMR MANGANITE PEROVSKITES	JAMES X-RAY AND NEUTRON REFLECTIVITY STUDIES OF PLASMA POLYMER COATINGS	POSTER SESSION ONLY	JONES TURNING STUDENTS ON TO CHEMISTRY: BEYOND THE WOW! FACTOR	
	12.10pm	WRIGLY A SMALL-SCALE TEST FOR THE RHEOLOGICAL QUALITY OF GLUTEN	WONG A VERSATILE ELECTROCHEMICAL IMMUNOASSAY FOR THE SIMULTANEOUS	SASHA EXPLORING NEW METAL CATALYSTS FOR HYDROAMINATION	GALBRAITH ZWITTERIONIC DITOPIC LIGANDS FOR METAL SALT EXTRACTION	WAERN DESIGN AND SYNTHESIS OF POTENTIAL PRO-DRUGS OF THE ANTI-TUMOUR AGENT MOLYBDOCENE DICHLORIDE	SEARLES MODELLING CARBON PORES AND NANOTUBES	MORALES STRUCTURAL AND MAGNETIC PROPERTIES OF LAMN1-XCRXO3.00 PEROVSKITE (0 ≤ X ≤ 0.5)	MICALLEF PRO-FLUORESCENT NITROXIDES AND COMMERCIAL STABILISERS IN POLYPROPYLENE DEGRADATION	POSTER SESSION ONLY	GORDON CHEMISTRY FOR THE MASSES: CAN ONE SIZE EVER BE MADE TO FIT ALL?	
	12.30pm	BETTGE APPLYING STATISTICS TO A WHEAT CULTIVAR DEVELOPMENT PROGRAM	BERNHARDT DIRECT ELECTROCHEMICALLY DRIVEN CATALYSIS OF XANTHINE OXIDASE AND ANTHINE DEHYDROGENASE	KHOURY CONSTRUCTION OF PORPHYRIN-BASED MOLECULAR LATTICES	BEVITT NEW METHODS FOR ANALYSING THE GUEST EXCHANGE PROPERTIES OF COORDINATION POLYMERS	WHAN SYNTHESIS AND BIOLOGICAL CHEMISTRY OF PLATINUM-ANTHRAQUINONE COMPLEXES	HUSH WHAT IS DELOCALIZATION? THE CREUTZ-TAUBE ION AS DELPHORIC ORACLE	KENNEDY SYNCHROTRON X-RAY POWDER DIFFRACTION STUDY OF PHASE TRANSITIONS IN RUTILE TYPE HALIDES AX2	VOSLOO CONTROLLED SYNTHESIS AND ANALYSIS OF BRANCHED POLYMERS	POSTER SESSION ONLY	MASTERS THE GOLDEN AGE OF ALLOTROPES	



12.50pm	LUNCH (EXHIBITION HALL) & TRADE TALKS (PROMENADE MEETING ROOM 3)											
1.50pm	<b>Plenary — PROFESSOR PETER J SCHULTZ — NEW OPPORTUNITIES AT THE INTERFACE OF CHEMISTRY AND BIOLOGY</b>											
2.50pm	<b>Change over time</b>											
	<b>Cereal 1</b>	<b>Cereal 2/ Analytical 1</b>	<b>Analytical 2/ Electro Chem</b>	<b>Organic</b>		<b>Joint Inorganic/ Biomolecular</b>	<b>Inorganic</b>	<b>Physical</b>	<b>Solid State</b>	<b>Polymer</b>	<b>Industrial</b>	<b>Chemical Education</b>
<b>3.00pm Divisional Plenary</b>	<b>MANN</b> MAP- PING APPROACH RELATING QUAN- TITATIVE TRAIT LOCI TO DOUGH RHE- OLOGY IN AN AUS- TRALIAN DOUBLED HAPLOID POPULATION  <b>TANG</b> EFFECT OF LIPID CONCEN- TRATION ON FORM- ATION OF STARCH: LIPID COMPLEXES	<b>NELSON</b> STATISTICAL EVALUATION OF ANALYTICAL METHODS	<b>YUNUS</b> ELEC- TROCHEMISTRY IN MICROFLUIDIC ENVIRONMENTS	<b>KIM</b> SUPRA-MOLECULAR ASSEM- BLIES BUILT WITH CUCURBITURILS		<b>TOR</b> ADVANCING RNA AS A DRUG TARGET	<b>CUMMINS</b> AC- TIVATION OF ELEM- ENTAL NITROGEN AND PHOS-PHORUS BY NB, MO,OR W, AND SYNTHESIS OF ORGANO-NITROGEN OR PHOSPHORUS COMPOUNDS THEREFROM	<b>BOXER</b> EXCITED STATE DYNAMICS IN PROTEINS	<b>STIRLING</b> X-RAY AND NEUTRON SCATTERING STUDIES OF ACTINIDE MAG- NETIC STRUC- TURES AND PHASE TRANSI- TIONS	<b>FREDRICKS</b> APPLICATION OF VIBRATIONAL SPECTROSCOPY TO POLYMER CHARACTERISATION: AN OVERVIEW	<b>POSTER SESSION ONLY</b>	<b>WHITE</b> UNICHE: A SCHEME BRINGING AUSTRALIAN SCHOOL AND UNIVERSITY STUDENTS INTO TOUCH WITH CHEM- ICAL INDUSTRY
<b>3.40pm</b>	AFTERNOON TEA (EXHIBITION HALL), 'STUDENTS MEET PLENARY' (PROMENADE MEETING ROOM 6) AND TRADE TALKS (PROMENADE MEETING ROOM 3)											
	<b>Cereal 1</b>	<b>Cereal 2/ Analytical 1</b>	<b>Analytical 2/ Electro Chem</b>	<b>Organic 1</b>	<b>Organic 2</b>	<b>Joint Inorganic/ Biomolecular</b>	<b>Inorganic</b>	<b>Physical</b>	<b>Solid State</b>	<b>Polymer</b>	<b>Industrial</b>	<b>Chemical Education</b>
<i>Session Theme</i>	<i>Cereal Properties</i>	<i>Metrology in food analyses</i>	<i>From nano to macro-sized electrochemistry</i>	<i>Supramol- ecular 1</i>	<i>Supramol- ecular 2</i>	<i>Joint Inorganic/ Biomolecular</i>	<i>Organometallic chemistry</i>	<i>Chemical &amp; Biochemical Mechanisms</i>	<i>Applications of Materials</i>	<i>Synthesis and Characterisation</i>	<i>Poster Session only</i>	<i>Vocation</i>
<b>4.10pm</b>	<b>SMALL</b> THE EFFECTS OF SAM- PLE STORAGE AND HANDLING ON DIF- FERENTIAL SCAN- NING CALORIMETRY OF COMMERCIAL MUNG BEAN STARCH	<b>HENG</b> HOW TRACEABLE IS MY ANALYSIS?: A DISCUSSION ON LE- GAL TRACEABILITY OF CHEMICAL MEASUREMENTS AND ANALYSES IN AUSTRALIA	<b>CAUSLEY</b> INVESTIGATION OF CONDUCTING POLYMERS FOR FLUID CONTROL IN MICROFLUIDIC SYSTEMS	<b>LYONS</b> SYNTHESIS AND HOST-GUEST STUDIES OF A NEW SERIES OF BIS- PORPHYRIN CAVITIES	<b>ROWAN</b> MIMICKING MOTHER NATURE; MOLECULAR MACHINES AND MOTION	<b>LAY</b> BIOMEDICAL APPLICATIONS OF X-RAY MICROSCOPY	<b>KOUTSANTONIS</b> ALKYNES, CAGES AND VASES: A MATERIALS MELANGE	<b>ZARE</b> LEARNING ABOUT THE TRAN- SITION STATE BY OBSERVING THE H2 PRODUCT INTERNAL STATE DISTRIBUTION FROM THE H + HBR REACTION	<b>von OERTZEN</b> THE EFFECTS OF O DEFICIENCY ON THE ELECTRONIC STRUCTURE OF RUTILE TiO2	<b>OATEN</b> SYNTHESIS AND CHARACTERIZATION MOLECUL- ARLY DESIGNED NANO-MATERIALS	<b>POSTER SESSION ONLY</b>	<b>HEERY</b> CHEM- ISTRY SKILLS & JOB SHORTAGE? HOW CAN CHEM- ISTS GET JOBS & EMPLOYERS FIND SKILLED STAFF?
<b>4.30pm</b>	<b>SOUTHAN</b> CRITI- CAL FACTORS UNDERPINNING TEST MILL PERFOR- MANCE	<b>KO</b> CHEMO- METRICS FOR CHARACTERISATION OF VEGETABLE OILS FROM THEIR CHEMICAL PROPERTIES	<b>YONG LIU</b> ELECTROSPINNING HIGH SURFACE AREA ELECTRODES	<b>THORDASON</b> SUPRAMOLECULAR BIOCONJUGATES	<b>TRY</b> TROGER'S BASE DERIVATIVES: APPLICATIONS FOR AN OLD MOLECULE IN A NEW MILLENIUM	<b>COLLINS</b> CUCURBITURIL ENCAPSULATION OF MULTINUCLEAR PLATINUM COM- PLEXES: A NOVEL DELIVERY SYSTEM		<b>SANDALA</b> DIV- ERGENT MECH- ANISMS OF SUICIDE INACTIVATION FOR ETHANOLAMINE AMMONIA LYASE	<b>WEBSTER</b> THE SYNTHESIS AND CHARACTERIZATION OF HIGHLY CON- DUCTIVE SOLID ELECTROLYTES		<b>POSTER SESSION ONLY</b>	<b>PETERSON</b> CHEMICAL TRAIN- ING IN THE VET SECTOR

# TUESDAY 5 JULY CONTD

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# WEDNESDAY 6 JULY

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## CONNECT 2005

7.30am	Registration Open — Exhibition Opens — COFFEE/TEA SERVED										
8.45am	Plenary — KOICHI TANAKA — STRUCTURAL CHARACTERISATION OF PROTEIN AND CARBOHYDRATES USING A MALDI QIT TOF MS										
9.50am	Change over time										
	Cereal	Analytical/Enviro/ Physical	Electro Chem	Biomolecular	Inorganic	Organic	Polymer	Chem Education	Industrial/History & Archives		
10.00am	<b>ANNISON</b> TECHNOLOGY ADDING VALUE FOR GRAINS & DOWN-STREAM PRODUCTS	<b>PRATHER</b> ADVANCES IN OUR UNDERSTANDING OF THE ROLE OF AEROSOLS IN GLOBAL CLIMATE CHANGE	<b>BOND</b> A SURVEY OF NOVEL FEATURES THAT EMERGE FROM ELECTROCHEMICAL STUDIES IN IONIC LIQUID MEDIA EMPLOYING CONVENTIONAL AND SMALL VOLUME (MASS)	<b>BIOTA AWARD PRESENTATION / BAEILL</b> KHELLINONE DERIVATIVES AS BLOCKERS OF THE VOLTAGE-GATED POTASSIUM CHANNEL KV1.3: SYNTHESIS AND IMMUNOSUPPRESSIVE ACTIVITY	<b>SADLER</b> METALS IN MEDICINE: NOVEL TARGETING STRATEGIES IN DRUG DESIGN	<b>KLINMAN</b> NON-CLASSICAL PROPERTIES OF HYDROGEN IN CONDENSED PHASE: LESSONS FROM ENZYMES	<b>SIMON</b> NANO-COMPOSITES: STRUCTURE, CHARACTERISATION AND PROPERTIES	<b>CHEMICAL EDUCATION DIVISION MEDALLIST PRESENTATION / FOGLIANI</b> WEB-BASED EXCURSION TO DELIVER COMPLEX CHEMICAL CONCEPTS	<b>RAE</b> CHEMICAL REGULATION IN AUSTRALIA: AN HISTORICAL PERSPECTIVE		
10.40am	MORNING TEA (EXHIBITION HALL), 'STUDENTS MEET MR KOICHI TANAKA' (PROMENADE MEETING ROOM 6) AND TRADE TALKS (PROMENADE MEETING ROOM 3)										
Session Theme	Cereal Production and Processing	Analytical Physical Chemistry in the Environment	Electrochemical Techniques and Applications I	Medicinal Chemistry	Metals in Medicine	Physical Organic Mechanism	Physical Organic Theoretical and Computational	Synthesis and Characterisation	Workshop 1	The History of Chemicals Regulations in Australia	
11.10am	<b>MAY</b> DETECTION OF FLOATING GLUTEN SUSCEPTIBILITY IN WHEAT FLOUR FOR STARCH/GLUTEN MANUFACTURE	<b>HYNES</b> A STUDY OF THE ATMOSPHERIC CHEMISTRY OF PROPENE, 1,3-BUTADIENE & TOLUENE CHEMISTRY	<b>JEFFREY</b> A ROTATING ELECTRODE DUAL AUTOCLAVE FOR STUDYING ELECTROCHEMISTRY AT HIGH PRESSURE	<b>BANSAL</b> SYNTHESIS STRUCTURE AND ACTIVITY OF ERGTOXIN (CNERG1) AND ITS MUTANTS WITH HERG K <sup>+</sup> CHANNEL	<b>LEVINA</b> RECENT DEVELOPMENTS IN THE UNDERSTANDING OF BIOLOGICAL ACTIVITIES OF CHROMIUM	<b>NOVAK</b> HYDROLYSIS OF 4-ACYLOXY-4-SUBSTITUTED-2,5-CYCLO-HEXADIENONES: ARE ARYLOXENIUM IONS INVOLVED?	<b>YATES</b> AN ASSESSMENT OF THEORETICAL PROTOCOLS FOR THE CALCULATION OF HIGHLY ACCURATE PKA VALUES	<b>MATISONS</b> RECENT DEVELOPMENTS IN TITANIA-FILLED NANOCOMPOSITE	<b>WAJRAC</b> MIND OR MATTER: ARE CHEMICAL DEMONSTRATIONS EFFECTIVE TEACHING ENTERTAINMENT?	<b>SMITH</b> REGULATION OF AGRICULTURAL AND VETERINARY CHEMICALS: CHALLENGES AND PRIORITIES	
11.30am	<b>TANAJA</b> EFFECT OF CULTIVAR AND SEEDING RATE ON WHEAT GRAIN SIZE DISTRIBUTION	<b>KABLE</b> CATION SPECTROSCOPY AND TANDEM MASS SPECTROMETRY USING PULSED OSCILLATING MASS SPECTROMETRY (POMS)	<b>FLEMING</b> SEPARATION OF ELECTRON TRANSFER & COUPLED CHEMICAL REACTION COMPONENTS OF BIOCATALYTIC PROCESSES USING FOURIER TRANSFORM AC VOLTAMMETRY	<b>EARL</b> EXTRANOMIC SIGNALLING & SIGNAL PROCESSING –LACTIC ACID HYPOTHESIS	<b>MORGAN</b> DNA BINDING STUDIES OF BPM-BRIDGED DINUCLEAR RUTHENIUM(II) COMPLEXES (BPM = 2,2'-BIPYRIDIMINE)	<b>HARPER</b> DETERMINING THE MECHANISM OF CYCLISATION OF INDOLOXIME ETHERS	<b>HASSALL</b> SYNTHESIS AND STRUCTURAL CHARACTERISATION OF BETA-SILYLATED CARBENIUM IONS				
11.50am	<b>SERIKO</b> FLAVOUR VOLATILES GENERATED IN WHEAT GRAIN COOKING PROCESS	<b>SENDT</b> UNDERSTANDING THE DIVERSITY OF SITES FOR CO DESORPTION IN CHAR COMBUSTION USING DENSITY FUNCTIONAL THEORY	<b>RACI BREYER MEDAL LECTURE / SAVÉANT</b> BEAUTIFUL AND UGLY CYCLIC VOLTAMMOGRAMS. APPLICATION OF CYCLIC-VOLTAMMETRY TO COMPLEX ENZYMIC MECHANISMS	<b>BEYER</b> HELIX INDUCTION IN SHORT PEPTIDES USING METAL CLIPS	<b>KENNEDY</b> SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL ACTIVITY OF NEW RUTHENIUM MALTOLATO AND IMIDAZOLE COMPLEXES	<b>HARMAN</b> THE MECHANISM OF THE BETA-ACYLOXYALKYL RADICAL REARRANGEMENT: INVESTIGATION OF POLAR EFFECTS	<b>GLOVER</b> A COMPUTATIONAL COMPARISON OF THE STRUCTURE AND PROPERTIES OF ARYLOXENIUM AND ARYLNITRENIUM IONS	<b>MARKOVIC</b> POSS POLYMERS		<b>TAMASKA</b> SECURITY AND CHEMICALS	



## WEDNESDAY 6 JULY CONTD



		Cereal	Analytical/Enviro/ Physical	Electro Chem	Biomolecular	Inorganic	Organic 1	Organic 2	Polymer	Chem Education	Industrial/History & Archives			
	Session Theme	Cereal Production and Processing	Analytical Physical Chemistry in the Environment	Electrochemical Techniques and Applications I	Medicinal Chemistry	Metals In Medicine	Physical Organic Mechanism	Physical Organic Theoretical and Computational	Synthesis and Characterisation	Workshop 1	The History of Chemicals Regulations in Australia			
	12.10pm	MARTIN SPONGE AND DOUGH BREAD ASSESSMENT IN THE NORTHERN GRAINS REGION	EDWARDS THE ULTRA-TRACE ANALYSIS OF POLAR ICE CORES USING A CONTINUOUS MELTER HR-ICPMS SYSTEM: A NEW TOOL FOR RECONSTRUCTING THE CHEMICAL HISTORY OF THE ATMOSPHERE	CONTINUES FROM ABOVE	KELLER THE SYNTHESIS OF A NEW CLASS OF ANTI-MALARIAL COMPOUNDS	BONIN METAL-BASED ANTI-INFLAMMATORY DRUGS: SUPERIOR DRUGS TO COX II INHIBITORS?	KAMAL A KINETIC ANALYSIS OF THE INHIBITION OF BUTYRYL-CHOLINESTERASE BY CYMSERINE	HARPER TOWARDS AN UNDERSTANDING OF SUBSTITUTION REACTIONS IN IONIC LIQUIDS	BULMUS ACID-CLEAVABLE POLYMERIC CARRIERS FOR CONTROLLED DRUG DELIVERY	CONTINUES FROM ABOVE	CONTINUES FROM ABOVE			
	12.30pm	WRIGLEY VARIETY IDENTIFICATION TO SUIT THE NEEDS OF INDUSTRY	APODACA TRACE METAL SPECIATION ON CALANCAN BAY, MARINDUQUE, PHILIPPINES		BIONOMICS PHD AWARD SPONSORED BY BIONOMICS	KATITIS DEVELOPMENT OF METAL-BASED RADIO-PHARMACEUTICALS FOR IMAGING AND THERAPY	MICALLEF NITROXIDE-ANNULATED PHTHALOCYANINES AND PORPUYRAZINES: REDOX-TUNABLE PHOTSENSITISERS	LESSENE BENZOYLUREAS AS PEPTI-DOMIMETICS: CONFORMATIONAL STUDY	BERNARD NYLON 6 NANO-COMPOSITES: ALKYL-PYRIDINIUM MODIFIED CLAY AND THE EFFECT OF CARBON CHAIN LENGTH		SHARP PATENTS AND THE AUSTRALIA-UNITED STATES FREE TRADE AGREEMENT: AMENDMENTS TO THE THERAPEUTIC GOODS ACT			
	12.50pm	LUNCH (EXHIBITION HALL) & TRADE TALKS (PROMENADE MEETING ROOM 3)												
	1.50pm	Plenary — R MARK WIGHTMAN — VOLTAMMETRIC MEASUREMENTS OF RAPID SIGNALLING BY NEUROTRANSMITTERS AT BIOLOGICAL CELLS												
	2.50pm	Change over time												
		Cereal	Analytical/ Enviro Divisional Plenary	Physical Divisional Plenary	Electro Chem Divisional Plenary	Biomolecular Divisional Plenary	Inorganic Divisional Plenary	Organic Divisional Plenary	Polymer Divisional Plenary	Chem Educ Workshop 2	History & Archives	Industrial Divisional Plenary	Pharma Divisional Plenary	
	3.00pm	KIM PHYSICO-CHEMICAL PROPERTIES OF DRY NOODLE FLOURS AND DRY NOODLES PRODUCED IN KOREA	HIBBERT POLLUTANTS: MATCHING CHEMICALS IN THE ENVIRONMENT WITH SUSPECT SOURCES	GERLICH RF AND AC TRAPS: APPLICATIONS IN SPECTROSCOPY, REACTION DYNAMICS, AND ASTRO-CHEMISTRY	WALLACE FIBRE ELECTRODES: PROVIDING THE BASIS OF WEARABLE ENERGY CONVERSION & STORAGE	LOWIS INFORMATICS FOR DELIVERING EXPERT MODELLING RESULTS TO THE BENCH (PRESENTER SPONSORED BY TRIPOS)	BURROWS	WALDMANN CHARTING BIOLOGICALLY RELEVANT STRUCTURE SPACE  SPONSORED BY NATURAL PRODUCT DISCOVERY, ESKITIS INSTITUTE OF CELL & MOLECULAR THERAPIES, GRIFFITH UNIVERSITY	HANEY TRIPLE DETECTION GPC/SEC: THEORY AND PRACTICE	TOBIAS FOSTERING CREATIVITY IN THE MATH/SCIENCE CLASSROOM	BAKER THE PHILOSOPHICAL SOCIETY OF AUSTRALASIA (1821-2): A LIFE CUT SHORT BY POLITICS?	McCOLM HOW FAR IS FAR ENOUGH?: THE EXTENT OF SAFETY OBLIGATIONS AND DEFENCE OF 'REASONABLE PRACTICABILITY'	LACEY TRANS TASMAN: OPPORTUNITY TO PROVIDE AN OVERVIEW OF THE CHANGES, TIMELINES, THE NEW LOOK TGA, WHO WILL BE AFFECTED AND IN WHAT WAY	
	3.20pm	BHAVE GENETIC MAPPING OF THE PDI GENES OF WHEAT AND SYNTENY BETWEEN THESE AND THE ESP2 LOCUS OF RICE									PRINCE NEVILLE WHIFFEN: THE GREAT DRIVER			
	3.40pm	AFTERNOON TEA (EXHIBITION HALL)	'STUDENTS MEET PROFESSOR R MARK WIGHTMAN' (PROMENADE MEETING ROOM 6) AND TRADE TALKS (PROMENADE MEETING ROOM 3)											





		Cereal	Analytical/ Enviro	Physical	Electro Chem	Biomolecular	Inorganic	Organic 1	Organic 2	Polymer	Chemical Education	History & Archives	Industrial	Pharma	
Session Theme		Cereal	Emerging tech- niques in envi- ronmental analyses	Gas-Phase Ions	Electrochemical techniques and applications II	Molecular Modelling	Stranks Awards	Natural Products 1	Natural Products 2	Synthesis and Characterisation	Workshop 2	History & Archives	Industrial	Therapeutic Goods Administration	
4.10pm		<b>MILLAR</b> FLOUR TO BREAD: THE CRITICAL STAGES FOR PROCESS CONTROL	<b>HOOK</b> UNI- VERSAL REF- ERENCE MATERIAL? ANALYSIS OF ORGANICS BY QUANTITATIVE NMR	<b>BIESKE</b> INFRARED STUDIES OF MASS SELECT- ED HALIDE-HYDRO- CARBON ANION CLUSTERS	<b>HONEYCHURCH</b> A NUMERICAL APPROACH TO MODELLING THE CATALYTIC VOLTAMMETRY OF SURFACE CONFINED REDOX ENZYMES	<b>WINKLER</b> COMPLEX SYS- TEMS APPROACH- ES TO MODEL- LING EMERGENT PROPERTIES OF BIOLOGICAL AND CHEMICAL SYSTEMS	<b>FISHER</b> SQUARE-PLANAR METALLOINT ERCALATORS AS POTENTIAL ANTI- CANCER AGENTS	<b>BELLIS</b> SYN- THESIS AND EVALUATION OF NOVEL DRUGS FOR BLADDER CANCER WITH ENHANCED CELLULAR UPTAKE	<b>MCCONNELL</b> SYNTHESIS AND TUBULIN BINDING PROPERTIES OF NOVEL 1,5- DIPHENYL-1,2,3- TRIAZOLE DERIVATIVES	<b>PAPADOPOULOS</b> INVESTIGATION OF REACTIONS OCCURRING IN HIGHLY CROSS-LINKED POLY (UREA-CO- URETHANE) COATINGS	<b>TOBIAS</b> FOSTERING CREATIVITY IN THE MATH/ SCIENCE CLASSROOM	<b>BLAKENEY</b> A BRIEF HISTORY OF THE RACI CEREAL CHEM- ISTRY DIVISION	<b>WHITTAKER</b> IMPROVING CHEMICALS MANAGEMENT FOR THE AUS- TRALIAN ENVIRONMENT	<b>KELLY</b> BP/EP/ USP WHAT'S THE DIFFERENCE? HOW AND WHY DOES THE TGA GAZETTE THE LATEST VER- SION? WHAT LESSONS CAN THE TGA INFORM INDUSTRY ON THE ADOPTION OF THE BP	
4.30pm		<b>SUTTON</b> SELF- ASSEMBLING PROTEIN SYS- TEMS: POTENTIAL APPLICATIONS OF CEREAL PRO- TEINS IN MATERI- ALS SCIENCE	<b>SYMONS</b> PBDES AN EMERGING POP: LEVELS IN THE AUSTRALIAN ENVIRONMENT	<b>WILLETT</b> MONI- TORING REAGENT MODI- FICATION OF CHARGED SNXOY NANOCLUSTERS USING FTICR-MS	<b>MUCALO</b> SNIFFERS STUD- IES OF THE COR- ROSION OF NICK- EL, RHENIUM AND NIOBIUM- ELECTRODES IN PSEUDOHALIDE SOLUTIONS AS A FUNCTION OF APPLIED POTEN- TIAL	<b>POLLEY</b> SIMUL- TANEOUS MOD- ELLING OF SELECTIVITY AND POTENCY IN COX2 INHIBITORS	<b>BELOUSOFF</b> COPPER(II) COM- PLEXES OF 1,4,7- TRIAZACY- CLONONANE DERIVATIVES: SYNTHESIS, STRUCTURES, MAGNETIC PROP- ERTIES AND APPLICATION AS ARTIFICIAL PHOS- PHATASES	<b>BROWN</b> THE SYNTHESIS AND AROMA PROPER- TIES OF OPTICAL- LY PURE OAK LACTONES	<b>ELLIOTT</b> SYN- THETIC APPROACHES TO BATZELLADINE C	<b>CLARKE</b> SINU- SOIDAL HEAT FLOW EQUA- TIONS FOR THE MT-DSC TECH- NIQUE				<b>LANE</b> CODE OF GMP: THE CHANGES	
4.50pm		<b>WRIGLEY</b> SIZE DISTRIBUTION OF POLYMERIC PROTEIN IN SOY- WHEAT DOUGHS DURING FER- MENTATION	<b>TANG</b> PHOTO- CATALYTIC DE- COMPOSITION OF ORGANIC CON- TAMINANTS ON NEW COMPOSITE OXIDES UNDER VISIBLE LIGHT IRRADIATION	<b>METHA</b> IONISATION POTENTIALS OF NIOBIUM AND TANTALUM- CARBIDE CLUS- TERS: AN EXPERI- MENTAL AND DFT STUDY	<b>O'MULLANE</b> CHARACTER- ISATION OF THE TWO PHASES OF CUTCNQ BYSCAN- NING ELECTRO- CHEMICAL MICROSCOPY	<b>McARDLE</b> A CORRELATION BETWEEN BIO- SYNTHETIC EN- THERAPEUTIC TARGETS: IDENTI- FICATION OF THE FLAVONOID/ KINASE PROTIEN FOLD TOPOLOGY	<b>SMITH</b> STEREOSELECTIVE DNA INTER- ACTIONS OF A SERIES OF DINUCLEAR POLYPYRIDYL RUTHENIUM(II) COMPLEXES	<b>NAIKER</b> DETEC- TION OF KAVA LACTONE-YIELDING PRECURSOR(S) IN KAVA (PIPER METHYSTICUM FROST) ROOTS	<b>LOONG</b> CHEMOENZYMATIC SYNTHESES OF CLADOSPOLIDES B AND C	<b>MUDUMBA</b> EVALUATION OF EXTRACTS FROM BIOSTABLE ELAST- EON POLYMERS FOR METHYLENE DIANILINE BY HPLC	<b>GARBIN</b> A HISTORY OF SCI- ENTIFIC GASES APPLICATIONS	<b>EVANS</b> GROUND- WATER REMED- IATION AND RE- LATED COM- PLIANCE ISSUES	<b>KELLY</b> TGA!: WE ALL HAVE HEARD ABOUT THEM, BUT WHAT DO THEY DO?		

WEDNESDAY 6 JULY CONTD

		Cereal	Analytical/ Enviro	Physical	Electro Chem	Biomolecular	Inorganic	Organic 1	Organic 2	Polymer Workshop 2	Chemical Education	History & Archives	Industrial	Pharma	
	Session Theme	Cereal	Emerging techniques in environmental analyses	Gas-Phase Ions	Electrochemical techniques and applications II	Molecular Modelling	Stranks Awards	Natural Products 1	Natural Products 2	Synthesis and Characterisation	Workshop 2	History & Archives	Industrial	Therapeutic Goods Administration	
	5.10pm	NEWBERRY ELONGATIONAL RHEOLOGY OF WHEAT FLOUR DOUGHS	APTE COMPARISON OF METHODS FOR THE DETERMINATION OF TRACE METAL SPECIATION IN NATURAL WATERS	BUNTINE TOWARDS THE NANOSOLDERING OF MOLECULAR COMPONENTS: LASER-BASED FORMATION AND SOLDERING OF CONDUCTIVE	DUFFY FOURIER TRANSFORMED CYCLIC VOLTAMMETRY	HOOK ASSESSING GENTAMICIN BY QUANTITATIVE 1H NMR	CHAPMAN NEGATIVE THERMAL EXPANSION IN CYANIDE-BRIDGED MOLECULAR FRAMEWORKS	LEITCH SYNTHESIS OF AZASPIROCYCLES AS POTENTIAL ANTAGONISTS FOR CORTICOTROPHIN RELEASING HORMONE (CRH) TYPE 1 RECEPTORS	JURY DEVELOPING CHEMOENZYMATIC ROUTES TO THE ANTIMITOTIC MACROLIDE TRICHOLOMENYN B	LADASIU APPLICATION OF MATRIX-ASSISTED LASER DESORPTION/IONISATION MASS SPECTROMETRY (MALDI-MS) TO UNDERSTAND THE THERMOOXIDATIVE DEGRADATION OF POLY(ETHYLENE TEREPHTHALATE) (PET)	CONTINUES FROM ABOVE	LIM THE CHEMISTRY OF EINSTEIN'S 1905 WORK: THE "FORGOTTEN" PAPERS	CONTINUES FROM ABOVE	PRESTRIDGE EVALUATION OF CHEMISTRY LABORATORIES: THE DIFFERENCE BETWEEN A CONTRACT LAB AND A COMPANY LAB: IS THERE ANY DIFFERENCE?	
	5.30pm	SMALL A LABORATORY EVALUATION OF THE EFFICIENCY OF SPRAY DRYING FOR ENCAPSULATION OF FUNCTIONAL INGREDIENTS	PRENZLER DEVELOPMENT OF AN SPME-GC METHOD TO STUDY SOURCES OF DISSOLVED ORGANIC CARBON IN RIVERS	NAUTA SUPER-FLUID HELIUM NANODROPLET AS A MEDIUM FOR MOLECULAR SPECTROSCOPY	MURRAY CARBON NANOTUBE ELECTRODES FOR THERMAL ENERGY CONVERSION	GARNER DEVELOPING A MOLECULAR MODELLING TECHNIQUE FOR FLEXIBLE ENZYME TARGETS: ANTI-HIV AGENTS	WARR INORGANIC ASYMMETRIC SYNTHESIS OF TWO-BLADED PROPELLER OCTAHEDRAL METAL COMPLEXES	ROBINSON CATALYTIC ROUTES TO DICARBA MIMICS OF CYSTINE BONDS	KWAN EFFICIENT CONSTRUCTION OF STEROIDS USING A DOMINO IMDA REACTION	BERNARD		ERRINGTON HENRY ROWLEY AND THE PRODUCTION OF CHEMICALS FROM THE WESTERN AUSTRALIAN BLACKBOY	STEWART HARRY HE LIKES BEER BOTTLED COLD NOT OVERFROTHY!		
	7.30pm	OPTIONAL: CONNECT BANQUET & RACI AWARDS PRESENTATIONS (BALLROOM, SYDNEY CONVENTION CENTRE)													

	7.30am	Registration Open — Coffee/tea served										
	8.45am	Welcome BY DAVID EDMONDS										
	8.50am	RACI LAUNCH OF 'THE FUTURE OF CHEMISTRY IN AUSTRALIA PROJECT'										
	9.20am	Change over time										
		Looking at the Future of Science	Analytical	Organic		Consultants & Contractors	Physical/ Biomolecular	Chemical Education/ Physical	Inorganic	Inorganic/ Electro Chem	Cereal/ Biomolecular	
	9.30am	HUME INFRA-STRUCTURE POLICY AND FUNDING	COCHRAN FAST GC-TOFMS OF PEST-ICIDES IN FOODS: FOOD SAFETY AND SECURITY	JOHNSON RECENT DEVELOPMENTS AND COLLABORATIONS WITH SIGMA-ALDRICH CHEMICAL RESEARCH LABORATORIES		PANEL PRESENTATION SO YOU WANT TO BE A CONSULTANT? CHAIRIED BY PAT RODGERS	MARK SIMULATING SELF-ORGANIZATION IN BIOMOLECULAR SYSTEMS	ZARE THE POWER OF A FAILED DEMONSTRATION	KEPERT NEW MATERIALS AND THEIR APPLICATION	WARD THE LONG-ER THE BETTER: NEAR-INFRARED ELECTRO-CHROMIC MATERIALS BASED ON MOLY-BDENUM-TRIS(PYRAZ-OLYL)BORATE AND RUTHENIUM-DIOXO-LENE COMPLEXES	MCCLEARY BUILD-ING ANALYTICAL TEST KITS: MOLECULAR BIOLOGY, THE NEXT STEP FORWARD FOR MEGAZYME	
	9.50am	BAKER FUTURE TRAINING: THE PRODUCTS FROM UNIVERSITIES & TAFE	WALKER PHYSIO-LOGICAL AMINO ACID ANALYSIS BY LC/MS									
	10.10am	MORNING TEA (PROMENADE)										
		Looking at the Future of Science	Analytical	Organic		Consultants & Contractors	Physical/ Biomolecular	Chemical Education/ Physical	Inorganic	Inorganic/ Electro Chem	Cereal/ Biomolecular	
	Session Theme	Developing and Using Scientific Infrastructure in Australia	Instrumental meth-ods of analysis	Green Chemistry in Organic Synthesis	Bio-organic	Consultants & Contractors	Physical/ Biomolecular	Chemical Education/ Physical	New Materials and their Application	Inorganic/Electro Chem	Biomolecular Aspects of Analysis, Food and Health	
	10.40am	ROBINSON OPPOR-TUNITIES FOR SCIEN-TIFIC RESEARCH AT OPAL, AUSTRALIA'S REPLACEMENT RESEARCH REACTOR	SNITCH ULTRA HIGH THROUGHPUT MICROWAVE ASSISTED EVAPORATIONS AND PRE-CONCENTRATION	LEE DIARYL ETHER SYNTHESIS IN SUPER-CRITICAL CARBON DIOXIDE	NIKOLAKOPOULOS THE SYNTHESIS OF NOVEL ADENOSINE ALLOSTERIC ENHANCERS	BAKER A PERSPECTIVE OF BEING A CONSULT-ANT IN CHEMISTRY	GRIFFITH COM-PUTER-AIDED MOLEC-ULAR MODELLING OF ALPHA1 ADRENERGIC RECEPTORS	ZIELINSKI PHYSICAL CHEMISTRY CURRICU-LUM: AN UPDATE FOR 2005 AND BEYOND	MCDONAGH GOLD NANOPARTICLES FOR FINGERPRINT ELUCID-ATION: AN APPLICATION OF NANOTECHNOLOGY TO FORENSICS	HEATH COMPRO-PORTIONATION IN INORGANIC AND ORGANIC REDOX SYSTEMS AS THE VOLTAMMETRIC INDEX OF INTERNAL COM-MONSENSE AXIOM OR TREASURED FALLACY?	BACIC USING METABOLOMICS AS A FUNCTIONAL GENOMICS TOOL TO UNDERSTAND ABIOT-IC STRESS ADAPTA-TION AND TOLER-ANCE IN CEREALS	
	11.00am		WAHBA SUPER-CRITICAL FLUID CHRO-MATOGRAPHY, ANALYSIS AND PURIFICATION OF PHARMACEUTICALS & NATURAL PRODUCTS	WALLIS OXIDATIVE COUPLING REVISITED: SOLVENT-FREE/HETEROGENEOUS/ IN WATER	MAKHA SULFO-NATED CALIXARENES: FROM IONIC CAPSULES TO NANOPARTICULATE FORMATION	PEPPERNEILL TAX EFFECTIVE BUSINESS STRUCTURES FOR CONSULTANTS	CORLEY EXPLORING THE SELECTIVITY OF THE CALCIUM SENSING RECEPTOR (CASR)		HALDER NANO-POROUS SPIN CROSS-OVER COORDINATION FRAMEWORKS			
	11.20am	BESLEY BESLEY POTENTIAL CONTRI-BUTION OF MAJOR SCIENTIFIC INFRA-STRUCTURE COMPO-NENTS TO AUS-TRALIA'S NATIONAL CHEMICAL MEASURE-MENT SYSTEM	FRACCARO CASE STUDY: USING MULTIVARIATE STATIST-ICAL ANALYSIS IN ANA-LYTICAL CHEMISTRY	STRAUSS MICROWAVE TECHNOLOGY AND ITS ROLE IN ORGANIC SYNTHESIS	MENABB THE STEREOSELECTIVE ADDITION OF ALKYL RADICALS TO GLY-OXYLIC OXIME ETHERS	TOLSON DEBT COL-LECTION AND YOUR BOTTOM LINE	HUTTER PRE-DICTION OF BIOLOGICAL PROPERTIES OF MOLECULES USING QUANTUM CHEMICAL METHODS	BADDOCK THE USE OF GRAPHICS CALCULATORS: WHAT'S IT ALL ABOUT?	LARSON BETA-PLEATED PROTEIN STRUCTURES: POTENTIAL APPLICATIONS IN MATERIALS SCIENCE	HARRIS APPLICATIONS OF ELECTROCHEMICAL X-RAY ABSORPTION SPECTROSCOPY TO THE STUDIES OF ELEC-TRON TRANSFER PROCESSES IN TRANSI-TION METAL COMPLEXES	KENNEDY THE RISE AND RISE OF THE GENOME	

THURSDAY 7 J

		Looking at the Future of Science	Analytical	Organic/ Biomolecular 1	Organic/ Biomolecular 2	Consultants & Contractors	Physical/ Biomolecular	Chemical Education/Physical	Inorganic	Inorganic/ Electro Chem	Cereal/ Biomolecular		
	Session Theme	Developing & Using Scientific Infrastructure in Australia	Instrumental methods of analysis	Green Chemistry in Organic Synthesis	Bio-organic	Consultants & Contractors	Physical/ Biomolecular	Chemical Education/Physical	New Materials and their Application	Inorganic/Electro	Cereal/ Biomolecular		
	11.40am	CONTINUES FROM ABOVE	COCHRAN MANAGING MATRIX INTERFERENCES IN PESTICIDE ANALYSIS WITH GC-TOFMS AND GCXGC-TOFMS	CHAPLIN SYNTHETIC METHODS FOR THE RAPID CONSTRUCTION OF FUSED POLYCYCLIC SYSTEMS	ROBINSON SYNTHESIS OF CARBOCYCLIC PEPTIDES VIA TANDEM HOMOGENEOUS CATALYSIS	HOGG PROFESSIONAL INDEMNITY INSURANCE	PRICE DEVELOPING ROBUST NMR DIFFUSION TECHNIQUES FOR STUDYING DRUG BINDING	SHIBATA ESSENTIAL ROLE OF INFORMATICS IN BIOCHEMISTRY/ CHEMISTRY CURRICULUM	FUCHS INORGANIC SORBENTS FOR THE SEPARATION OF RADIOLANTHANIDES	LENGKEEK APPLICATIONS OF CAGE AMINES IN ELECTROCHEMICAL AND PHOTOCHEMICAL SYSTEMS	BARRY CURRENT STATUS OF R&D IN GOLDEN RICE		
	12.00pm	GARNYS USE OF SYNCHROTRON TECHNOLOGY IN EVERYDAY LABORATORY WORK	COCHRAN ENVIRONMENTAL APPLICATIONS FOR COMPREHENSIVE TWO-DIMENSIONAL GC	HESSIAN IODOCYCLISATION INDUCED REACTION CASCADES IN DIVERSITY-ORIENTED SYNTHESIS	LESSENE RATIONALLY DESIGNED BENZOYLUREAS AS BH3-ONLY PROTEIN MIMICS	IRANI PATENTS: MORE THAN JUST A GOOD IDEA	OLSEN COMPUTATIONAL CHARACTERIZATION OF RED FLUORESCENT PROTEIN (RFP) CHROMOPHORES	PETHERICK PHENOMENA VS THEORY: RETHINKING THE LABORATORY EXPERIENCE	KANNANGARA ISOTHERMAL DECOMPOSITION OF ACETATE-PHOSPHONATE PRECURSOR AND THE MORPHOLOGY OF THE NANO-SIZED APATITE PRODUCT	JONES THE DESIGN OF HOLE TRANSPORT MATERIALS (HTM) FOR DYE SENSITISED SOLAR CELLS (DSSC)			
	12.20pm	LUNCH (PROMENADE)											
	1.10pm	Connect Perspectives Symposium Official Opening — MICK REID										MAHONEY FROM FARMERS TO PHARMAS	
	1.30pm	Plenary — STERLING — MAJOR RESEARCH FACILITIES										BRIDGES TRACEABILITY: OPTIONS TO MANAGE THE CEREAL SUPPLY CHAIN	
	1.50pm									SPOKES FOOD FOR THOUGHT: THE IMPACT OF DIET AND EXERCISE ON TYPE 2 DIABETES AN EDUCATOR'S PERSPECTIVE			
	2.30pm	AFTERNOON TEA (PROMENADE)											
	2.55pm	WHITE — THE WORLDWIDE USE OF NEUTRON SCATTERING IN CHEMISTRY										MUIR FRUCTANS EXACERBATE GAS-TROINTESTINAL SYMPTOMS IN IRRITABLE BOWEL SYNDROME AND CROHN'S DISEASE	
	3.15pm									HENRY HUMAN HEALTH FROM ANALYSIS OF PLANT GENOMES			
	3.35pm	Panel Discussion (40 mins) — ALL PERSPECTIVES SPEAKERS INVITED										CEREAL DIVISION CLOSE	
	4.15pm	Presentation of Connect Awards and Conference Close BY DR GREG SIMPSON, PRESIDENT RACI											
	4.45pm									CEREAL DIVISION AGM			
	7.00pm	CEREAL DIVISION AWARDS DINNER (DOCKSIDE, COCKLE BAY WHARF, DARLING HARBOUR)											