ISI 2005

Final Proceedings
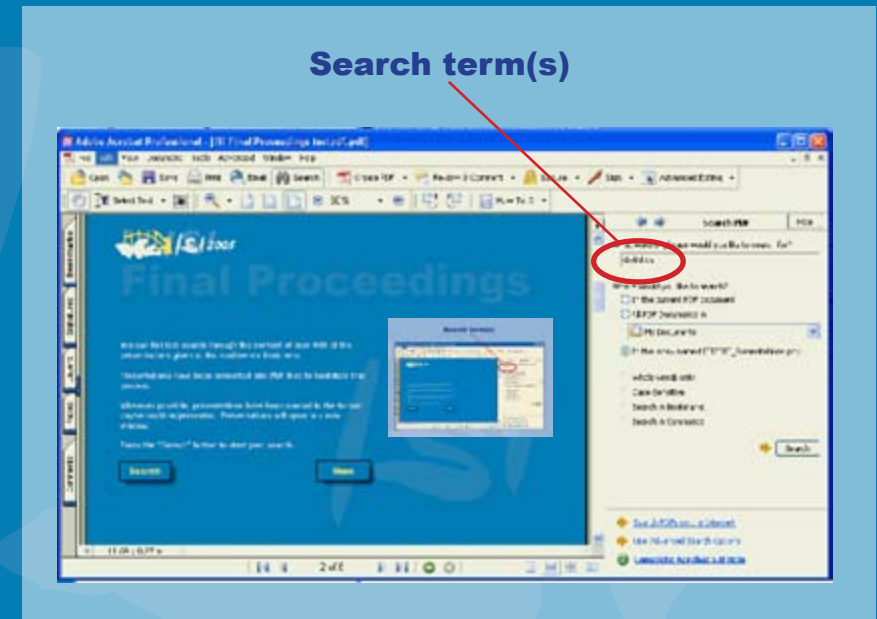
Content

![ISI 2005 logo]

Final Proceedings

Search Help

Papers and presentations on this CD-ROM are fully text searchable using functionality included in the Adobe Reader.

Pressing the "Search" button will bring up the Adobe Reader search interface allowing you to search for single words or simple phrases.

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Search term(s)

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Search Presentations

You can find specific presentations from the conference from here, or you can browse through the available presentations in the folder on the CD-ROM.

Presentations are named in the format day/venue/time/presenter - for example FRI HA1 0910 KEIDING.

You can use keywords to find presenations from a specific stream - for example, a search for "cpm public policy" will return all presentations from the "CPM: Statistics in Public Policy" stream.

Daily overview timetables can be browsed here.

Timetables

The detailed timetables can be browsed here.

Detailed Timetable

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You can conduct a full text search through the papers presented at ISI 2005 from here.

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ISI 2005

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ISI Administrative Meeting
Minutes and Reports

Report of the 2005 ISI Executive Committee

Financial Report

Minutes of the ISI General Assembly

Report

Attachments

Financials

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Sponsors

An undertaking like the ISI Conference would not be possible without the generous help and support of sponsors, and we thank them for the assistance they gave in making the 2005 Conference such a success.

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ISI 2005

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This CD-ROM is designed to use the Adobe Reader, and it works best with version 5 or above.

A free copy of the Adobe Reader to suit most computer platforms is downloadable from the Adobe website:
www.adobe.com/products/acrobat/readstep2.html

If you are experiencing difficulties with this CD-ROM, please email client.services@abs.gov.au

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I am really pleased that you came to Sydney, Australia and the 55th Session of the International Statistical Institute. For many of you it will have been a very long journey.

A diverse Scientific Program was developed for the 2005 ISI Session. It included Invited Paper Meetings, Contributed Paper Meetings, Keynote Speakers of world repute, Poster Sessions, Tutorials and Short Courses. Theme days covered Statistics and Finance, Environmental Statistics and Genomics. We also had a keynote lecture by Professor Clive Granger, a Nobel Prize winner in Economics

Of course, like all Conferences, the opportunity to network with colleagues was very important. To help the networking, we carefully planned a Social Program to give you the opportunity to relax and experience Australian hospitality with old and new friends.

A Conference such as ISI does not happen without a lot of personal effort on a voluntary basis. I would like to thank all those people, particularly those involved in the various Scientific Program Committees and my colleagues on the National Organising Committee. I would like to thank Annette Hants and Helen Vallance who headed the Conference Secretariat at various stages.

I would also like to thank our major sponsors SAS, the CSIRO and Space-Time Research.   I would also like to acknowledge the support of AusAID, Australia's aid agency. Their support has enabled a number of participants from developing countries to attend. Likewise, the fellowship scheme of the ISI has also enabled the participation of a number of attendees from developing countries.

Finally, I should mention that 2005 was the Centenary Year for the ABS so it was a very special year for us. I am very pleased you came to help us share in the celebrations.

Dennis Trewin
Chair of the 2005 ISI National Organising Committee

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Wednesday 6 April 2005

	Harbourside Auditorium 1 Level 2	Harbourside Auditorium 2 Level 2	Pyrmont Room 1 Level 3	Pyrmont Room 2 Level 3	Harbourside Meeting Room 1 Level 2	Harbourside Meeting Room 2 Level 2	Harbourside Meeting Room 3 Level 2
0730-0850	**Administrative Meetings**					IASS Council	ISI Environment Committee
0900-1115	**Scientific Meetings** **031 IPM**: The Role Of Official Statistics In Innovation, Knowledge Management and Development of The New Economy	**007 IPM**: Statistics, Environmental Health and Risk Assessment	**038 IPM**: Statistical Learning From Data	**046 IPM**: The Use Of Simulation In Statistics Education	**CPM**: Official Statistics - Problems in Developing and Transition Countries	**CPM**: Statistics in Finance - Modelling and Forecasting	**022 IPM**: Local Parametric Modelling For Curve Estimation
1115-1300	**Administrative Meetings** IASS General Assembly				Open Meeting of the ISI Strategic Planning Committee I	SCORUS Meeting	IASE Executive Committee
1300-1515	**Scientific Meetings** **028 IPM**: Impact Of 'International Indicators Of Development' Movement On National Statistical Program Priorities	**008 IPM**: Safeguarding The Food Chain	**081 IPM**: Ethical Standards In Statistics Education	**044 IPM**: Statistical Analysis Of Data With Constrained Sample Space	**CPM**: Macroeconomic Statistics	**086 IPM**: Ranked Set Sampling - 50 Years	**021 IPM**: Sampling Methods For Animal Populations
1515-1530	**Afternoon Tea -** Bayside Banquet Hall, Level 1 North						
1530-1745	**Scientific Meetings** **035 IPM**: Response Burden and Public Cooperation In Statistical Surveys	**009 IPM**: Beyond Kyoto - The Science, Policy and Impacts Of Climate Change	**065 IPM**: Poverty and Deprivation: Concepts and Measurement	**049 IPM**: Research In Statistical Education	**CPM**: Other Economic Statistics	**CPM**: Sample Survey Methods - Estimation	**039 IPM**: Statistical Environments In The Network Age

	Harbourside Meeting Room 4 Level 2	Harbourside Meeting Room 5 Level 2	Harbourside Meeting Room 6 Level 2	Skyline Room 1 Level 3	Skyline Room 2 Level 3	Skyline Room 3 Level 3
0730-0850	**Administrative Meetings** Joint meeting of the ISI General Topics Committee and Program Co-ordinating Committee for the 56th Session, together with representatives of Outgoing Program Co-ordinating Committee for the 55th Session	IASE International Statistical Literacy Committee	IAOS Executive Committee	Mahalanobis Committee	ISI Member Auditors	East Asia Outreach Committee
0900-1115	**Scientific Meetings** **054 IPM**: Use Of Model Diagnostics In Survey Sampling	**CPM**: Bayesian Methods - Markov Chain Monte Carlo Methods	**CPM**: Theoretical Statistics - Estimation	**CPM**: Sample Survey Methods	**STCPM**: Statistical Indicators Measuring and Influencing A Nation's Progress	**STCPM**: Issues In Seasonal Adjustment
1115-1300	**Administrative Meetings** Women in Statistics Committee Meeting	ISI Nominations Committee I	ISI General Topics Committee I	Jan Tinbergen Awards Jury	BS East Asian and Pacific Reg Committee	BS European Regional Committee
1300-1515	**Scientific Meetings** **088 IPM**: Symbolic Data Analysis	**CPM**: Statistics in Business and Engineering - Reliability	**CPM**: Bayesian Methods	**CPM**: Sample Survey Methods	**STCPM**: New Directions In Dissemination of Statistics I	**CPM**: Time Series Methods - Seasonal Adjustment
1515-1530	**Afternoon Tea -** Bayside Banquet Hall, Level 1 North					
1530-1745	**Scientific Meetings** **013 IPM**: Random Matrices and Methods For High Dimensional Data	**CPM**: Regression Methods - Model Selection	**CPM**: Multivariate Methods - Principal Component and Factor Analysis	**CPM**: Computational Methods - Data Mining	**STCPM**: New Directions In Dissemination Of Statistics II	**CPM**: Theoretical Statistics - Probability Theory
1800-1930	**Scientific Meetings**			Environment Theme Day Tutorial Session: An Overview of Environmental Statistics		

Thursday 7 April 2005

	Harbourside Auditorium 1 Level 2	Harbourside Auditorium 2 Level 2	Pyrmont Room 1 Level 3	Pyrmont Room 2 Level 3	Harbourside Meeting Room 1 Level 2	Harbourside Meeting Room 2 Level 2	Harbourside Meeting Room 3 Level 2
0730-0850	**Administrative Meetings**					ISI Program- Co-ordinating Committee I	BS Publications Committee
0900-1115	**Scientific Meetings** **075 IPM**: Statistics In Australia: Growth and Influence	**056 IPM**: Quality Measurement and Reporting for Surveys	**066 IPM**: The Theory Of Interval Probability	**017 IPM**: Errors In Measurement: Recent Advances	**CPM**: Theoretical Statistics - Stochastic Processes	**CPM**: Statistical Education - Research Into Statistical Education	**026 IPM**: Modelling Complex Dependence Using Copulas, With Applications In Finance
1115-1300	**Administrative Meetings**					IASS Program Committee	IAOS Program Committee
1300-1515	**Scientific Meetings**	**001 IPM**: President's IPM					
1515-1530	**Afternoon Tea** - Bayside Banquet Hall, Level 1 North						
1530-1745	**Scientific Meetings** **029 IPM**: Statistical Measurement Issues Requiring Collaboration Amongst National Statistical Offices	**089I IPM**: Optimal Methods For Data Quality Improvements In Financial Statistics	**045 IPM**: Reasoning About Variation	**020 IPM**: Recent Developments In Joint Modelling Of Longitudinal and Survival Methods	**CPM**: Bayesian Statistics	**025 IPM**: Recent Developments In Index Modelling Regression	**079 IPM**: Improving Drug Quality **MOVED TO MONDAY 11 APRIL**

	Harbourside Meeting Room 4 Level 2	Harbourside Meeting Room 5 Level 2	Harbourside Meeting Room 6 Level 2	Skyline Room 1 Level 3	Skyline Room 2 Level 3	Skyline Room 3 Level 3
0730-0850	**Administrative Meetings** Life Sciences Committee	El-Khowarizmi Committee	Marco Polo Travel and Tourism Committee	Incoming and Outgoing ISI Council		
0900-1115	**Scientific Meetings** **085 IPM**: The Development Of Quarterly National Accounts By Institutional Sector	**STCPM**: The Modernisation Of Statistics Systems In National Statistics Institutes	**CPM**: Statistics in Finance - Financial Modelling	**CPM**: Official Statistics	**CPM**: Sample Survey Methods	**STCPM**: Measuring The Impact Of Environmental and Conservation Management
1115-1300	**Administrative Meetings** BS Program Committee	IASE Program Committee	IASC Program Committee	Irving Fisher Society for Financial and Monetary Statistics	Open Meeting of National Statistical Societies and Committee for the Strengthening of Cooperation between the ISI and Statistical Societies	
1515-1530	**Afternoon Tea** - Bayside Banquet Hall, Level 1 North					
1530-1745	**Scientific Meetings** **057 IPM**: Resampling Methods For Variance Estimation In Complex Surveys	**CPM**: Theoretical Statistics - Estimation	**CPM**: Microeconomic Statistics	**CPM**: Sample Survey Methods - Small Area Estimation	**STCPM**: Challenges In Capacity Building of Education Statistics	**CPM**: Time Series Analysis
1900-2200	**Australiana Evening - "The Way of Life Down Under"** (Please meet at the Tours Departure point in Convention Centre North at 1800hrs)					

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Friday 8 April 2005

	Harbourside Auditorium 1 Level 2	Harbourside Auditorium 2 Level 2	Pyrmont Room 1 Level 3	Pyrmont Room 2 Level 3	Harbourside Meeting Room 1 Level 2	Harbourside Meeting Room 2 Level 2	Harbourside Meeting Room 3 Level 2
0730-0850	**Administrative Meetings** IASE General Assembly					BS Council Meeting	IASC Council Meeting I
0900-1115	**Scientific Meetings** **048 IPM**: Statistics For Life: What Are The Statistical Ideas Or Skills That Matter Most and Why?	**004 IPM**: Cost, Quality and Relevance Of Financial Statistics	**027 IPM**: IAOS Forum: New Social and Economic Indicators For Local Areas Without Increasing Respondent Burden	**082 IPM**: Bayesian Statistics	**CPM**: Multivariate Methods	**036 IPM**: Functional Data Analysis In Quantitative Finance	**003 IPM**: Demographic Forecasting
1115-1300	**Administrative Meetings** IAOS General Assembly					History of Statistics Committee	BS Committee for Probability and Statistics in the Physical Sciences
1130-1230	**Scientific Meetings**	Address by the Deputy Governor of the Reserve Bank of Australia					
1300-1515	**Scientific Meetings** **063 IPM**: Educating The Media On How Best To Report Statistics	**STCPM**: Survey Methods in Financial Statistics: Challenges and Opportunities	**034 IPM**: Asian Statistical Forum: Official Statistics In The Asia Pacific Regions - New Challenges and Intra-Regional Cooperation	**023 IPM**: Estimation Of The Support and Efficiency Frontiers	**CPM**: Theoretical Statistics	**CPM**: Statistics in Public Policy	**040 IPM**: Computational Advances Based On The EM Algorithm
1515-1530	**Afternoon Tea -** Bayside Banquet Hall, Level 1 North						
1530-1745	**Scientific Meetings** **084 IPM**: Classification Methods For Complex Data Structures	**006 IPM**: Accounting Standards and Their Impact On Financial Statistics	**058 IPM**: Experiences In Data Collection With Internet Surveys	**030 IPM**: Statistics On International Migration	**CPM**: Variance Estimation	**087 IPM**: Image Reconstruction, Edge Detection and Feature Tracking	**052 IPM**: Using History To Enhance The Teaching Of Statistics

	Harbourside Meeting Room 4 Level 2	Harbourside Meeting Room 5 Level 2	Harbourside Meeting Room 6 Level 2	Skyline Room 1 Level 3	Skyline Room 2 Level 3	Skyline Room 3 Level 3	
0730-0850	**Administrative Meetings** Agricultural Statistics Committee		ISI Committee on Risk Analysis				
0900-1115	**Scientific Meetings** **061 IPM**: Surveys Of Small and Medium Sized Enterprises	**018 IPM**: Stochastic Networks	**STCPM**: Critical Issues For The Next Decade Round Of Population and Housing Censuses	**STCPM**: Editing I	**CPM**: Statistics In Business and Engineering - Process and Quality Control	**CPM**: Other Statistical Methods	
1115-1300	**Administrative Meetings** IASC Council Meeting II	Sports Statistics Committee	ISI Nominations Committee II	ISI Publications Committee	Open Meeting of the ISI Strategic Planning Committee I		
1300-1515	**Scientific Meetings** **043 IPM**: The Partial Least Squares Approach in Data Analysis	**CPM**: Multivariate Methods - Classification and Clustering	**CPM**: Regression Methods - Nonparametric Models	**STCPM**: Editing II	**CPM**: Statistical Analysis	**CPM**: Sample Survey Methods - Estimation	
1515-1530	**Afternoon Tea -** Bayside Banquet Hall, Level 1 North						
1530-1745	**Scientific Meetings** **STCPM**: Career Paths For Statisticians	**CPM**: Labour Statistics	**CPM**: Sample Survey Methods - Quality In Surveys	**CPM**: Multivariate Methods - Correspondence Analysis	**CPM**: Theoretical Statistics - Hypothesis Testing	**STCPM**: The Future Of The International Comparison Program	

Saturday 9 April 2005

	Harbourside Auditorium 1 Level 2	Harbourside Auditorium 2 Level 2	Pyrmont Room 1 Level 3	Pyrmont Room 2 Level 3	Harbourside Meeting Room 1 Level 2	Harbourside Meeting Room 2 Level 2	Harbourside Meeting Room 3 Level 2
0830-1045	**Scientific Meetings** **074 IPM**: Surveying Women's Issues	**051 IPM**: Promotion Of Statistical Literacy Among Students	**071 IPM**: International Tourism Flows: Measuring Volumes, Values and Characteristics	**060 IPM**: Access To Microdata While Securing Confidentiality Protection	**CPM**: Statistics In Finance	**CPM**: Macroeconomic Statistics	**015 IPM**: Nonparametric Methods For Functional Data
1100-1315	**Scientific Meetings** **072 IPM**: Risk Models and Their Interpretation	**068 IPM**: The Future Of Statistical Societies	**076 IPM**: Sports Participation and Physical Activity	**059 IPM**: Inferential Potentials Of Non-Probability Samples	**CPM**: Statistics In Medicine	**CPM**: Statistical Disclosure Control	**024 IPM**: Internet Tomography

	Harbourside Meeting Room 4 Level 2	Harbourside Meeting Room 5 Level 2	Harbourside Meeting Room 6 Level 2	Skyline Room 1 Level 3	Skyline Room 2 Level 3	Skyline Room 3 Level 3	
0830-1045	**Scientific Meetings** **CPM**: Regression Methods	**CPM**: Official Statistics - Innovation In National Statistical Institutes	**CPM**: Microeconomic Statistics	**CPM**: Experimental Design	**CPM**: Multivariate Methods	**CPM**: Time Series Methods	
1100-1315	**Scientific Meetings** **CPM**: Natural Resource Statistics	**CPM**: Macroeconomic Statistics	**CPM**: Official Statistics - Censuses	**CPM**: Sample Survey Methods	**CPM**: Experimental Design	**CPM**: Statistics and Society - Internet and Statistics	

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Monday 11 April 2005

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0730-0850	**Administrative Meetings** IASC General Assembly		ISI Statistics in Business and Industry Committee				
0900-1000	**Scientific Meeting**	**090 IPM**: Talk By Nobel Laureate, Sir Clive Granger					
1015-1115	**Scientific Meetings** **CPM**: Statistics in Business and Engineering	Software for Analytic Intelligence John Brocklebank	**CPM**: Computational Methods	**CPM**: Demography		**CPM**: Experimental Design	**CPM**: Sample Survey Methods
1115-1300	**Administrative Meetings**	BS General Assembly	ICOTS 7 Organisers				IAOS and UNSD Meeting On Millennium Development Goals Indicators
1300-1515	**Scientific Meetings** **050 IPM**: Quality Assurance In Statistics Education	**070 IPM**: Industrial Statistics and Quality Engineering	**002 IPM**: Jan Tinbergen Awards and Cochran/Hansen Award: Paper Presentations	**080 IPM**: Methods For Combining Information From Studies		**014 IPM**: Recent Developments In Financial Econometrics	**053 IPM**: Developments In The Analysis Of Longitudinal Survey Data
1515-1530	**Afternoon Tea -** Bayside Banquet Hall, Level 1 North						
1530-1745	**Administrative Meetings**	ISI General Assembly (Jan Tinbergen, Cochran Hansen and Mahalanobis Awards Presented)					

Time	Harbourside Meeting Room 4 Level 2	Harbourside Meeting Room 5 Level 2	Harbourside Meeting Room 6 Level 2	Skyline Room 1 Level 3	Skyline Room 2 Level 3	Skyline Room 3 Level 3	
0730-0850	**Administrative Meetings**			ISI Committee on Professional Ethics	IASS Executive Committee	SERJ Editorial Board	
1015-1115	**Scientific Meetings** **CPM**: Theoretical Statistics - Statistical Inference	**CPM**: Statistics In Society	**CPM**: Multivariate Analysis	**CPM**: Natural Resources	**CPM**: Official Statistics	**CPM**: Statistics in Public Policy	
1115-1300	**Administrative Meetings**		IASE / SERJ Open Meeting	ISI Nominations Committee III	ISI General Topics Committee II		
1300-1515	**Scientific Meetings** **042 IPM**: Introduction To The Technical Aspect Of DNA Microarray Experiments	**CPM**: Statistical Education	**CPM**: Statistics in Science - Bioinformatics and Genetics	**CPM**: Other Statistical Methods	**STCPM**: Text Mining, Data Mining and QC-Mining	**STCPM**: Real Data Enriching Curricula Across The World	
1515-1530	**Afternoon Tea -** Bayside Banquet Hall, Level 1 North						
1900-2300	**Farewell Party "A Floating Affair" (optional)**						

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Tuesday 12 April 2005

Time	Harbourside Auditorium 1 Level 2	Harbourside Auditorium 2 Level 2	Pyrmont Room 1 Level 3	Pyrmont Room 2 Level 3	Harbourside Meeting Room 1 Level 2	Harbourside Meeting Room 2 Level 2	Harbourside Meeting Room 3 Level 2
0900-1115	**Scientific Meetings** 078 **IPM**: Statistics For Medical Diagnosis	010 **IPM**: Interpretation Of Genomic Data	067 **IPM**: Using Small Area Statistics For Resource Allocation: Addressing The Problems	069 **IPM**: Quantitative Methods For Balancing Data Confidentiality and Data Quality	**STCPM**: Assessing Statistical Models	016 **IPM**: Nonparametric Methods For Structural Econometric Models	047 **IPM**: Teaching Statistics Online
1300-1515	**Scientific Meetings** 064 **IPM**: The Design and Analysis Of Observational Studies	011 **IPM**: Computational Tools For Microarray Analysis	077 **IPM**: Long Term Health Effects Of Exposures	055 **IPM**: Calibration In Practice		**CPM**: Theoretical Statistics - Inference	083 **IPM**: Challenges In The Teaching Of Survey Sampling
1515-1530	**Afternoon Tea -** Bayside Banquet Hall, Level 1 North						
1530-1745	**Scientific Meetings** 032 **IPM**: Regional and Urban Dimension Of Official Statistics: Small Area Statistics and Data Of Particular Relevance To Regional and Urban Planning	012 **IPM**: The Continuing Role Of Pedigrees	091 **IPM**: Measuring Minorities	037 **IPM**: Optimisation Algorithms For Experimental Designs	**STCPM**: Privacy and Statistical Research In Health	**CPM**: Multivariate Methods	062 **IPM**: Estimation With Rotating Panel Designs

Time	Harbourside Meeting Room 4 Level 2	Harbourside Meeting Room 5 Level 2	Harbourside Meeting Room 6 Level 2	Skyline Room 1 Level 3	Skyline Room 2 Level 3	Skyline Room 3 Level 3
0730-0850	**Administrative Meetings**			IASC EARS BoD	ISI Strategic Planning Committee	Open Meeting of the ISI Statistics in Business and Industry Committee
0900-1115	**Scientific Meetings** 041 **IPM**: Pattern Recognition In High Dimensions	**CPM**: Sample Survey Methods - Estimation		**CPM**: Demographic Statistics	**CPM**: Statistics in Medicine	**CPM**: Theoretical Statistics - Stochastic Processes
1115-1300	**Administrative Meetings**			ISI Program Co-ordinating Committee II	ISI Incoming Executive Committee	
1300-1515	**Scientific Meetings** 033 **IPM**: Standards For Regional and Urban Indicators	**CPM**: Regression Methods	**CPM**: Missing Data in Statistics	**CPM**: Statistics In Economics	**CPM**: Time Series Methods	**CPM**: Statistics in Medicine
1515-1530	**Afternoon Tea -** Bayside Banquet Hall, Level 1 North					
1530-1745	**Scientific Meetings** 019 **IPM**: Inverse Problems and Functional Estimation	**CPM**: Statistical Analysis	**CPM**: Other Statistical Methods	**CPM**: Data Collection Methods	**CPM**: Statistical Disclosure Control - Anonymised Microdata	**CPM**: Statistical Education