

Monday 4th December – Waite Campus, University of Adelaide

9:00 – 5:00	GenStat Advanced Skills Masterclass. Roger Payne, Darren Murray and Simon Harding
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Tuesday 5th December

10:00	Bus Pickup – Granada Hotel
10:15	Bus Pickup – Waite Campus, Adelaide University
11:00	Bus Pickup – Adelaide Airport
12:30	Arrival at Whalers Inn Resort

12:00 – 5:00	Conference Registration – Flinders Room
1:00 – 2:00	Lunch & Welcome – Waterside Restaurant

Tuesday 5th December – Investigator Room

<i>Theme: Applications I Chair: Mario D'Antuono</i>	
2:00 – 2:25	Modelling the distribution of thrips caught in un-baited traps surrounding an odour baited trap. Ruth Butler ¹ , David Teulon, Dale James & Melanie Davidson
2:25 – 2:50	Where's Smut? Vivienne Doogan ¹ , Rosemary Kopittke & Tony Swain
2:50 – 3:15	Meta-Analyses of international trials on alternatives to METHYL BROMIDE, a major ozone depleting agent used for pre-planting soil fumigation. Debra Partington ¹ , Murray Hannah & Ian Porter
3:15 – 3:40	Estimating mortality probabilities of Australian wild rabbits challenged with rabbit haemorrhagic disease using pre-challenge antibody cut-off values. Hwan-Jin Yoon ¹ , Steve McPhee & Kym Butler
3:40 – 4:10	Afternoon Tea – Waterside Restaurant

<i>Theme: Applications II Chair: Ky Matthews</i>	
4:10 – 4:35	Statistics, the Law and the Thieving Fishers. Peter Johnstone ¹ , Graeme Bremner & PJ Clarke
4:35 – 5:00	GenStat REML analyses for comparing sampling sites when measuring mohair quality on Angora goats. Kym Butler ¹ & Bruce McGregor
5:00 – 5:25	Regression errors in "x" case study. David Saville ¹

6:30 – 11:00	Welcoming BBQ – Whalers Inn Resort (surrounding lawns) Live Acoustic from Brian Ruiz and Troy Loakes
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¹ Presenting Author

Wednesday 6th December – Investigator Room

<i>Theme: GenStat Session I Chair: Vivienne Doogan</i>	
8:15 – 8:30	Overview of Genstat 9th Edition. Roger Payne ¹
8:30 – 8:45	Genstat for Linux. Simon Harding ¹
8:45 – 9:00	Workbooks and other spreadsheet enhancements. David Baird ¹ & Darren Murray
9:00 – 10:00	Invited: Double Hierarchical Generalized Linear Models. John Nelder ¹
10:00 – 10:30	HGLMs in practice. Roger Payne ¹
10:30 – 11:00	Morning Tea – Waterside Restaurant

<i>Theme: GenStat Session II Chair: Ruth Butler</i>	
11:00 – 11:25	GenBUGS – Running BUGS from GenStat. Darren Murray ¹
11:25 – 11:50	Hidden Markov Models. Roger LittleJohn ¹
11:50 – 12:05	Genstat Release 10. Roger Payne ¹
12:05 – 12:20	REML enhancements in Release 10. Sue Welham ¹
12:20 – 12:35	Custom Menus. Darren Murray ¹
12:35 – 1:00	Discussion
1:00 – 2:00	Lunch – Waterside Restaurant

¹ Presenting Author

Wednesday 6th December – Investigator Room

<i>Theme: Poster Session Chair: Paul Eckermann</i>	
2:00 – 2:40	<p>Computations of some Scan statistics for detecting temporal clustering in animal diseases surveillance data. Mario D'Antuono¹ & Chris Hawkins</p> <p>Detecting QTL for fruit quality traits in mango. Joanne De Faveri¹, Ian Bally, Natalie Dillon, Heather Smyth, Ralf Dietzgen</p> <p>GRAPES in Genstat – a procedure for monitoring sensory panel performance. Duncan Hedderley¹ & Virginia Corrigan</p> <p>Spatial and temporal modelling of canopy temperature in wheat. Kathryn Lambkin¹, Ky Matthews & Scott Chapman</p> <p>Field assessment of faecal NIRS as a management tool for the northern cattle industry. David Reid¹ & Desiree Jackson</p> <p>Use of Poisson Variation for Quality Assurance of Laboratory Worm Egg Counts. Andrew van Burgel¹</p> <p>Calculation of genetic parameters in a custard apple breeding program in south-east Queensland. Pat Pepper¹, Janet Giles, Michael MacBeth & Alan George</p>
<i>Biometrics Training Chair: Beverley Orchard</i>	
2:40 – 3:30	<p>GenStat Discovery in research methods training. Olena Kravchuk¹ & Longbin Huang</p> <p>A magical mystery tour - demystifying basic statistical concepts, experimental design and analysis. Beverley Orchard¹, Lorraine Spohr & Sharon Nielsen</p> <p>Discussion</p>
3:30 – 4:00	Afternoon Tea – Waterside Restaurant

¹ Presenting Author

Wednesday 6th December – Investigator Room

4:00 – 5:00	Australasian GenStat Users Association Inc. General Meeting
<i>Special Invited Talk Chair: Chris Triggs</i>	
5:30 – 6:30	An African Statistical Tale. Roger Stern ¹
7:00 – 9:00	Dinner – Waterside Restaurant

¹ Presenting Author

Thursday 7th December: StatGen – Investigator Room

<i>Theme: SNPs Chair: Peter Baker</i>	
8:30 – 8:35	Introduction Ari Verbyla ¹
8:35 – 9:05	Invited: Dad's dilemma: Do I increase my daughters allowance now so she can have her genome sequenced or do I just wait for Xmas? David Mtichell ¹
9:05 – 9:55	Invited: Fitting statistical models to data with many more variables than observations. Harri Kiiveri ¹
9:55 – 10:45	Invited: Locating genetic links to disease using SNP chips. Ian Saunders ¹
10:45 – 11:15	Morning Tea – Waterside Restaurant

<i>Theme: Darts Chair: Wayne Pitchford</i>	
11:15 – 11:45	Invited: DArT genome scans: challenges and opportunities. Peter Wenzl ¹ , Grzegorz Uszynski, Justin Bedo, Conrad Sanderson, Alison Smith, Cyril Cayla, Brian Cullis, Adam Kovalczyk, Eric Huttner & Andrzej Kilian
11:45 – 12:35	Invited: Normalisation and identification of polymorphic markers in DArT microarray data. Brian Cullis ¹ , Alison Smith & Peter Wenzl
12:35 – 1:00	A whole of genome approach to QTL identification. Simon Diffey ¹
1:00 – 2:00	Lunch – Waterside Restaurant

¹ Presenting Author

Thursday 7th December: StatGen – Investigator Room

<i>Theme: Statistical Genetics Chair: Peter Johnstone</i>	
2:00 – 2:25	Multi-trait QTL analysis using the complete linkage map. Ari Verbyla ¹ , Brian Cullis, Christine Hackett, Adrian Newton & Bill Taylor
2:25 – 2:50	Estimating marker dosage and other challenges in linkage analysis and QTL mapping in sugarcane. Peter Baker ¹ , Karen Aitken & Phillip Jackson
2:50 – 3:15	Divide and Conquer: partitioning genetic line effects into additive and non-additive effects in multi- environment trials. Helena Oakey ¹ , Arunas P. Verbyla, Brian R. Cullis, Xianming Wei and Wayne S. Pitchford
3:15 – 3:45	Afternoon Tea – Waterside Restaurant

<i>Robin Thompson: A tribute Chair: Ari Verbyla</i>	
3:45 – 4:15	Invited: Linear mixed models, REML and gene mapping. Peter Visscher ¹
4:15 – 4:45	Invited: REML, Rothamsted and Robin: A review. Roger Payne ¹
4:45 – 5:15	Invited: Colonial Collaborations – applications of REML for plant improvement. Brian Cullis ¹
5:15 – 5:20	Final Remarks Robin Thompson

6:30	Bus Departs from Whalers Inn to Currency Creek Winery
7:00 – 11:30	Conference Dinner, Currency Creek Winery Live Music from Geoff and his Technicolor Dream Coates

¹ Presenting Author

Friday 8th December

<i>Theme: Variety Trials Chair: Murray Hannah</i>	
8:30 – 8:55	Optimizing the barley crop variety testing program in Western Australia. Peter Clarke ¹
8:55 – 9:20	On Efficiency of Barley Quality Testing in Australia. Katia Stefanova ¹ , Alison Smith & Brian Cullis
9:20 – 9:45	Multi-environment QTL mixed models for drought stress adaptation in wheat. Ky Matthews ¹ , Fred van Eeuwijk, Matthew Reynolds, C. Lynne McIntyre, Scott Chapman
9:45 – 10:10	Evaluation of models for late-stage variety evaluation trials. Sue Welham ¹ , Bev Gogel, Alison Smith & Brain Cullis
10:10 – 10:35	Models for Field Experiments with Repeated Ordinal Outcomes. Chris Triggs ¹ , Arier Lee & John Andersen
10:35 – 11:00	Morning Tea – Waterside Restaurant

<i>Theme: Applications III Chair: Kym Butler</i>	
11:00 – 11:25	The distribution of tree diameters in native woodlands in Queensland. Christina Playford ¹ & Steven Bray
11:25 – 11:50	Wambiana Grazing Trial: Impact of grazing strategies and variable rainfall on pasture composition. Angela Reid ¹ , Yvette Everingham, Peter O'Reagain, John Bushell & Chris Holloway
11:50 – 12:15	Analysing zero-inflated fisheries counts using two-part conditional distributions. David Mayer ¹ , Julie Robbins, Ian Halliday & Michelle Sellin

<i>Theme: Climate Change Chair: Julian Taylor</i>	
12:15 – 1:15	Invited: Climate Change – the near future. Roger Stern ¹
1:15 – 2:15	Lunch – Waterside Restaurant

2:30	Bus departs Whalers Inn Resort
4:00	Arrival at Adelaide Airport

¹ Presenting Author

