

# Student supervision

ARŪNAS (ARI) PETRAS VERBYLA

B. Sc (Hons) (Melb), M. Sc. (Melb), Ph. D. (Adel), AStat

October 16, 2008

## Research students: completed

1. S. Pattison, Repeated measures designs. M. Sc., joint supervision with D. J. Street, graduated 1991.
2. P. Ricci, Analysis of repeated measurements. Ph. D., under joint supervision with W. N. Venables, graduated October, 1994.
3. B. Gogel, The analysis of multi-site variety trials, Ph. D., under joint supervision with B. R. Cullis, under a Grains Research Development Council Postgraduate Scholarship, graduated October, 1997.
4. A. Smith, The analysis of multi-environment variety trials, Ph. D., joint supervision with B. R. Cullis, graduated April, 2000.
5. A. Kiermeier, The analysis of stability trials, commenced March, 1997, Ph. D. (part-time), joint supervision with Dr. R. G. Jarrett (CSIRO, Melbourne), graduated 2004.
6. H. Mirzaei, Time course QTLs for carcass quality, commenced February 2002, Ph. D., joint supervision with Drs. W. Pitchford and C. Bottema (Animal Science), graduated 2005.
7. J. Taylor, Modelling scale effects in the heterogeneous  $t$  distribution, commenced March, 1998, Ph. D. (part-time). graduated 2006.
8. S. Foster, Whole genome analysis of quantitative trait loci, commenced February, 2003, Ph. D., joint supervision with Drs. W. Pitchford and C. Bottema (Animal Science). Part funded by Co-operative Research Centre for Cattle and Beef Quality, graduated 2006.
9. A. Koshkoih, Multi-trait QTL analysis in beef, commenced June 2003, Ph. D., joint supervision with Dr. W. Pitchford (Animal Science, The University of Adelaide), graduated 2007.
10. K. Haskard, Spatial modelling for weed management, commenced June 2002, Ph. D., joint supervision with Dr. B. R. Cullis (NSW Agriculture, Wagga Wagga). GRDC Scholarship, graduated 2007.

11. E. Knight, Computational methods for mixed models, commenced February, 1999, Ph. D. (part-time, external), joint supervision with Dr. B. R. Cullis (NSW Agriculture, Wagga Wagga) and Prof. R. Thompson (Rothamsted-Research, UK).
12. H. Oakey, Association and pedigree mapping in plants, commenced December 2003, Ph. D., joint supervision with Dr. B. Cullis (NSW DPI) and Dr W. Pitchford (Animal Science, The University of Adelaide). GRDC scholarship.

### Research students: current

1. P. Eckermann, The analysis of quantitative trait loci, commenced March, 1999, Ph. D. (Staff, part-time), joint supervision with Dr. B. R. Cullis (NSW Agriculture, Wagga Wagga) and Prof. R. Thompson (Rothamsted-Research, UK). GRDC support.
2. P. Lim, Resource allocation in wheat quality assessment: statistical modelling, commenced March, 2003, Ph. D. (external) joint supervision with Dr. A. B. Smith (NSW Agriculture, Wagga Wagga). Faculty of Sciences and BioFirst support.
3. S. Truran, Maternal productivity, commenced March, 2008, Ph. D. Joint supervision with A/Prof W. Pitchford (Animal Science, The University of Adelaide).

### Honours Projects/Theses

1. K. Willson, Survival Analysis, 1987.
2. J. Lee, Heteroscedastic errors: diagnostics and modelling, 1988.
3. P. Schubert, Models for binary and ordered categorical variables, 1988.
4. S. Timcke, Diagnostic methods for generalized linear models, 1989.
5. B. Bartel, Modelling variance heterogeneity, 1990.
6. M. Berger, Finite population sampling and regression diagnostics, 1991.
7. F. Biederman, The Box-Cox transformation and variance modelling, 1991.
8. D. Hirst, with R. G. Jarrett, The Analysis of Field Experiments, 1993.
9. C. McLaren, Computational methods in Statistics, 1994.
10. J. Pedisic, Taguchi methods, 1995.
11. S. Colangelo, Transformation and diagnostics in variance components models, 1995.
12. B. Braysher, Nonlinear mixed effects models with application in Predictive Microbiology, 1996.
13. N. Chamberlain, Smoothing splines, 1996.
14. K. Hampel, with P. G. Taylor, Applied Mathematics, Matrix exponential distributions and their application in modelling, 1997.

15. A. Parrott, with P. G. Taylor, Applied Mathematics, Monte Carlo Markov Chains, 1997.
16. E. Wilkinson, Spatial analysis of field trials, 1998.
17. P. Knight, The analysis of spatial data, 1999.