

1st Northern Rivers Postgraduate Students' Symposium

"Collection of thoughts in Byron Bay"

This inaugural postgraduate symposium is organised to provide students with an avenue to present their research work and also share ideas and thoughts with fellow students who are working in similar fields. In particular, emphasis would be on the area of spatial analysis, although other topics (including those who are contemplating spatial analysis for their projects) are also welcomed. The organised workshops would provide students with useful tools to tackle their studies, with topics ranging from how to write your thesis, undertaking a literature review and a section on Bayesian statistical analysis. Our keynote speaker would be Professor Kerrie Mengersen from the Queensland University of Technology.

Program

Day 1 (Thursday, 7th December 2006): The Postgraduate Journey

10.00 am - 10.30 am

Registration and Tea

Introduction to NRUDRH and Symposium

Prof. John Beard (Northern Rivers University Department of Rural Health)

10.30 am - 11.00 am

Session One: Writing for Publication

Prof. John Beard (Northern Rivers University Department of Rural Health)

11.00 am - 11.30 am

Session Two: Literature review: does it really have to be a daunting task?

A/Prof. Jeff Fuller (Northern Rivers University Department of Rural Health)

11.30 am - 12.00 pm

Session Three: Essentials of writing for your thesis: practical tips

A/Prof. Deborah Schofield (Northern Rivers University Department of Rural Health)

12.00 pm - 12.30 pm

Session Four: Roundtable Discussion

Lunch break

1.30 pm - 3.00 pm

Session Five: Fundamentals of data management

Therese Dunn (Northern Rivers Area Health Service)

Session Six: Spatial Epidemiology

Dr Geoff Morgan (Northern Rivers University Department of Rural Health)

Session Seven: General introduction of statistical and spatial software

Arul Earnest (Northern Rivers University Department of Rural Health)

Tea break

3.30 pm -4.00 pm

Session Eight: Spatial Temporal Modelling in New South Wales of Fall Related Hip Fractures in the Elderly

Dr Robin Turner (NSW Health)

4.00 pm -5.00 pm

Oral/ poster presentations

Clair Matthews (NATSEM)

LinPing Xiong (NATSEM)

Sandra Johnson (QUT)

Deborah Donoghue (NRUDRH)

Lisa Barnett (NRUDRH)

Christine Cowie (University of Sydney)

Bayzid Rahman (University of Sydney)

Peter Speldewinde (University of Western Australia)

Margaret Rolfe (QUT)

[Day 2 \(Friday, 8th December 2006\): Spatial Analysis- Brief Theory and Applications](#)

9.00 am -10.30 am

Session One: Bayesian statistics: an introduction

Prof. Kerrie Mengersen (Queensland University of Technology)

Session Two: Bayesian statistics: putting theory to practice

Prof. Kerrie Mengersen (Queensland University of Technology)

Tea break

11.00 am -12.30 pm

Session Three: Disease Mapping

Diane Hindmarsh (NSW Health)

Session Four: The effects of ambient air pollution during pregnancy on fetal growth

Dr Adrian Barnett & Dr Craig Hansen (The University of Queensland)

Lunch break

1.30 pm -3.00 pm

Session Five: Water Quality Hierarchical Modelling: experience so far

Douglas Lincoln/ Richard Summerhayes (Northern Rivers University Department of Rural Health)

Session Six: Using Arc-GIS (Arc-Map)

Paul Houlder (Department of Environment and Conservation)

3.00 pm -3.30 pm

Closing session

Optional: Tour of Byron Bay Lighthouse and Watego Beach.