

Programme



CASI 2001 Programme

Wednesday May 16th

Welcome

Location

Programme

Registration

Contributions

Links

11.00 Registration Opens

12.30 Lunch

Session 1: Medical Statistics

Chair: Catherine Hurley

14.00 Welcome to CASI

14.05 Keynote talk: The Genetic Epidemiology of Breast Cancer
Julian Peto

15.05 Estimating risk profile over time from stored blood samples and exposure records of a case series
Marie Reilly and E. Lawlor

15.25 Measurement of tissue heterogeneity based on 3-D PET data
S. Roy, F. O'Sullivan, J. O'Sullivan, J. Eary and C. Vernon

15.45 Tea/Coffee

Session 2: Wind and rain

Chair: Yudi Pawitan

16.05 Analysis of regularity in wind generated wave field data
F. O'Sullivan, K. Roy Choudhury, G. Caulliez and V.I. Shrira

16.25 Predicting past climates
John Haslett and Matt Whitley

16.45 Statistical analysis of microphotographic image data in geology
K. Roy Choudhury, F. O'Sullivan, P. De, P. Meere and K. Mulchrone

17.05 Modelling persistent correlation in rainfall
Agus Salim

Session 3: Special Tutorial

16.25 Issues in analysing unbalanced data

John Connolly

20.15 Dinner

Thursday May 17th

Session 4: Statistical Modelling

Chair: Don Barry

- 9.05 Analysis of correlated binary outcomes
Randall H. Rieger and Clarice R. Weinberg
- 9.25 Some aspects of modelling mean-covariance structures arising in longitudinal RCTS
Gilbert MacKenzie and Jianxin Pan
- 9.45 Modelling covariance structures in linear mixed models
Jianxin Pan and Gilbert MacKenzie
- 10.05 Analysis of longitudinal, ordinal, categorical quality of life data
Desmond Curran
- 10.25 PET attenuation correction based on short transmission scan
Y. Pawitan, V. Bettinardi, and M. Teras
- 10.45 Tea/Coffee

Session 5: Clustering; statistical education

Chair: Eamonn Mullins

- 11.05 **Keynote talk: Interactive Clustering: Overview and Tools**
Wayne Oldford
- 12.05 Mathematical thinking versus statistical thinking; redressing the balance in statistical teaching
Michael Stuart
- 12.25 Promoting statistical awareness at secondary school level in the Irish context
Philip J. Boland
- 12.45 Lunch

Session 6: Consulting and data analysis

Chair: Catherine Comiskey

- 14.00 **Keynote talk: From the X Files (and Y Files) of the Statistical Laboratory at UC**
Davis
Francisco Samaniego
- 15.00 Short-term and long-term variability of standard deviation scores for size in children
Anne Sheehy
- 15.20 The presentation and analysis of bivariate survival studies
John Newell
- 15.40 Tea/Coffee

Session 7: Software, Medical applications

Chair: Marie Reilly

- 16.00 S-PLUS 6 Demonstration
Trevor McMullan
- 16.20 A new method of calibration model transfer in NIR spectroscopy
J. Huang, D. Brennan, J. Alderman and B. Lane
- 16.40 Young people, drug use and early school leaving
Catherine M. Comiskey
- 17.00 Conditional phase-type distributions and their application to geriatric medicine
Adele Marshall, Sally McClean, Mary Shapcott and Peter Millard

Session 8: Posters

19.00-- 20.00

- 1 Spurious and non-spurious power-- the Grubbs' outlier test case
Kevin Hayes and Tony Kinsella
- 2 Curve registration and alignment
Willie Ryan
- 3 Mixture models for ranking data
Brendan Murphy and D. Martin
- 4 Analysis of the CAO database
Clare Crinion
- 5 Ordering variables in displays of multivariate data
Catherine Hurley
- 6 The use of weighted census based deprivation indices in small areas
J.A. Saunders
- 7 Modeling hepatitis C dynamics in Dublin's intravenous drug users
Declan Walsh
- 8 Multivariate measurements of rowing biomechanics
F. O'Sullivan, J. O'Sullivan, M. Bradley and M. Kenneally
- 9 Choosing optimum subset of wavelength in near infrared spectroscopy
Arief Gusnanto
- 10 Application of nonparametric regression methods to ridge parameter estimation
M. Byrtek and F. O'Sullivan
- 11 Disease mapping in Ireland: current databases and mapping
Kathleen O' Sullivan
- 12 Size and shape analysis of the human mandible- age 9 to 15 years
Valerie Easton
- 20.15 Dinner

Friday May 18th

Session 9: Economic applications

Chair:

- 9.15 A new system of consumer demand equations
Denis Conniffe
- 9.35 Foreign direct investment in the European Union and the corporate tax rate
Margaret Hurley
- 9.55 A co-integration analysis of balance of payments data
Patrick Murphy
- 10.15 Estimating the return from genetic enhancement in milk production
John A. Curtis
- 10.35 Tea/Coffee

Session 10: Statistical Genetics, Bayesian modelling

Chair: Denis Conniffe

- 10.55 Keynote talk: A Graphical Model Approach to Complex Problems
in Genetics
Nuala Sheehan**
- 11.55 Parallel algorithms for bayesian inference of spatial gaussian models
Matt Whiley
- 12.15 Modelling uncertainty in fatigue criteria
Simon P. Wilson
- 12.35 Irish Statistical Association Annual General Meeting
All welcome!**
- 1.00 Lunch

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Send email to [Catherine Hurley](#) with comments, suggestions and queries about this web site.
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