

CONFERENCE ANNOUNCEMENTS

FOURTH CONFERENCE ON APPLIED STATISTICS IN IRELAND

This conference will be held at Kilkea Castle Hotel, Castledermot, County Kildare on March 29-30, 1984.

CONFERENCE PROGRAMME

THURSDAY 29 MARCH

- 12:00- 2:00 Registration and Lunch
- 2:00- 3:45 SESSION ONE
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| 1. Design of Model Discriminatory Pharmacokinetic Experiments | A. Dunne (UCD)
L. Lacey (May & Baker Ltd) |
| 2. Practical Problems in the Statistics of Image Processing | G. Morgan (TCD) |
| 3. Maximum Likelihood Discriminant Analysis on the Plane Using a Markovian Model of Spatial Context | J. Haslett (TCD) |
| 4. Computer-Mapping of the Census of Agricultural Statistics | A. Horner (UCD)
J. Walsh (Carysfort) |
- 3:45- 4:15 Refreshments
- 4:15- 5:00 An Introduction to the Central Statistics Office and Its Activities
- T.P. Linehan
(Director, CSO)
- 5:10- 6:25 SESSION TWO
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| 5. Marks and Standards | A. Moran (UCC) |
| 6. Teacher Assessment of Pupil Activity: A Regression Model | O. Egan (ERC) |
| 7. Some Uses of the Micro-Computer in the Teaching of Statistics | E. McEntee (UP) |
- 6:25- 7:00 Demonstration of Computer Equipment
- 8:30 Dinner

FRIDAY 30 MARCH

- 9:00-10:45 SESSION THREE
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| 8. Maximum Likelihood Estimation in Electrophoretic Studies | S. Gardiner (QUB) |
| 9. Application of a Special Case of ANOVA in the Testing of a Statistical Information System | D. McSherry (QUB) |
| 10. The Application of Psychological Data to Multivariate Analysis | P. Whalley (OU) |
| 11. The Influence of Measurement Errors in Multivariate Analysis | E. Gillespie (UP) |
- 10:40-11:10 Refreshments
- 11:10-11:55 The Role of Statistics at Guinness
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| C. Smith | } Guinness |
| A. Reynolds | |
- 12:00-12:50 SESSION FOUR
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| 12. A New Continuous Multivariate Exponential Distribution with Applications to Reliability, Computer Breakdowns and Data Analysis | A. Raftery (TCD) |
| 13. A Sequential Design in Attribute Testing | A. Yazdi (KSU)
M. Khan |
- 1:00- 2:30 Lunch
- 2:30- 3:45 SESSION FIVE
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| 14. Does Random Sampling Affect Irish Elections? | A. Unwin (TCD) |
| 15. Non-Parametric Regression | D. Barry (UCC) |
| 16. Bootstrapping a Regression Equation | G. Kelly (UCC) |
- 3:45- 4:15 Closing Remarks and Refreshments

The Conference Fee of £60 covers meals and lodging plus the Registration Fee. In addition to a display of computer equipment, it is hoped to have an exhibition of some statistical books.

For further details, consult:

*Dr P.J. Boland,
Department of Mathematics,
UCD, Belfield,
Dublin 4.*

MATRIX THEORY AND ITS APPLICATIONS

A conference with the above title will take place at University College Dublin on March 22-24, 1984.

The following persons are expected to speak:

Professor G.N. De Oliveira (Coimbra, Portugal)
Matrices Over Finite Fields

Professor H. Wimmer (Wurzburg)
The Algebraic Riccati Equation

Dr L. Fletcher (Salford)
Recent Results on Pole Assignments in Descriptor Systems

Dr R. Gow (U.C.D.)
Factorization of Matrices

Professor F. Holland (U.C.C.)
(Title to be announced)

Professor T.J. Laffey (U.C.D.)
Integer Matrices

Dr D. Lewis (U.C.D.)
Hermitian Forms and von Neumann Regular Matrices

Dr R. Timoney
Reinhardt Decompositions of Operator Matrix Spaces

Professor K. Seitz (Budapest)
On Matrix Quasigroups

Further contributions are sought and persons wishing to speak are asked to inform the organisers as soon as possible.

A report of the conference, including short accounts of the papers presented, will appear in the journal *Linear Algebra and Its Applications*.

All those who expect to attend the conference are requested to inform the organisers without delay. The conference fee will be £8.00, which will include the cost of refreshments.

Organisers: *F.J. Gaines and T.J. Laffey,
Mathematics Department,
University College Dublin,
Belfield,
Dublin 4.*

GROUPS IN GALWAY

This conference will take place on 11-12 May at University College, Galway. The speakers will include Dr P. Fitzpatrick (University College, Cork), Dr T. Hurley (University College, Galway) and Dr D. Lewis (University College, Dublin).

Those who wish to present short communications are asked to get in contact, as soon as possible, with Dr T.C. Hurley, from whom further details are available.

BRITISH MATHEMATICAL COLLOQUIUM

This conference will be held at the University of Bristol on 9-13 April, 1984.

PROGRAMME

Tuesday, 10th April

- 9.30 - 11.00 M.J. Dunwoody, W. Jackson, S.C. Power, N.H. Bingham
- 11.50 - 12.40 C.A. Rogers (UCL)
- 5.00 - 6.00 J.P. Serre (Paris) -
CURVES OVER FINITE FIELDS

Wednesday, 11th April

- 9.30 - 11.00 R.B.J.T. Allenby, E.A. Thompson, P.G. Dixon, C.M. Maclachlan
- 11.50 - 12.20 E. Rees (Edinburgh)
- 5.00 - 6.00 M.O. Rabin (Harvard and Jerusalem) -
THE USES OF RANDOMIZATION

Thursday, 12th April

- 9.30 - 11.00 D. Fowler, D. Kirby, R.J. Steiner, F.R. Drake
- 11.50 - 12.40 J.H. Conway (Cambridge)
- 5.00 - 6.00 H. Furstenburg (Jerusalem) -
ERGODIC THEORY AND DIOPHANTINE PROBLEMS

The early morning programme will be divided into two pairs of concurrent lectures, each of forty minutes. In the afternoon splinter groups on various branches of mathematics will be held and it is hoped that some will include a discussion and problem session. Members are invited to contribute short pap-

ers and problems.

On Wednesday evening there will be an education forum on the topic 'The Use of Computers in University Mathematics Teaching' led by D.O. Tall, and on the remaining two evenings some mathematical films will be shown.

The membership fee for the Colloquium is £12 (this includes the cost of refreshments). This will be increased to £18 for applications received after 31st January 1984.

The charges for meals and accommodation (in Hiatt Baker Hall, Stoke Bishop) are as follows:

Bed and Breakfast £8.25, Lunch £3.50, Evening meal £4.50.

(The charge for bed and breakfast includes the cost of a (self-service) late evening drink and the coach trips between the Hall and the University.) The charge for the full Colloquium will be £61.50, shorter stays will be charged on a pro-rata basis. Please note - Any alteration on bookings must be received before 25th March 1984.

*School of Mathematics,
University Walk,
Bristol, BS8 1TW.*

*H.E. Rose,
Colloquium Secretary,
18 August, 1983.*

ST ANDREWS COLLOQUIUM 1984

Under the auspices of the Edinburgh Mathematical Society, a Colloquium will be organised by and held at the University of St Andrews from 25 July to 4 August, 1984.

The morning sessions will consist of the following courses (each of about seven lectures):

Professor J.M. Ball : *The Calculus of Variations and Non-Linear Elasticity*

Professor F.E.P. Hirzebruch : *Algebraic Surfaces*

Professor D.S. Passman : *Infinite Group Rings and Crossed Products*

Afternoon sessions will include the following series of seminars (which will run concurrently):

ALGEBRA directed by Dr P.F. Smith

ANALYSIS directed by Dr J.R.L. Webb

In addition, the first series of Copson Memorial Lectures will be given by

Professor W.K. Hayman, F.R.S.

100 Years of Value Distribution Theory

The registration fee is TWO POUNDS per person, which will be increased to FOUR POUNDS per person for applications received after 1 May 1984. Registration fees are payable at the time of application for membership and are non-returnable in the event of subsequent cancellations.

The following fees are payable on arrival:

Membership fee : 18 pounds per person,

Accommodation fee : 135 pounds per person.

The accommodation charge includes the cost of three main meals, morning coffee, afternoon tea, and all gratuities. The same fees will apply to accompanying relatives and friends of mathematicians. A limited amount of accommodation is available for the children of members of the colloquium. The Colloquium Secretary will advise on special rates for young children.

The membership fee for non-resident members of the colloquium will be 23 POUNDS per person which will include the cost of morning coffee and afternoon tea.

The colloquium timetable will be arranged so that members will be able to enjoy not only various social functions but also the amenities which make St Andrews one of our most attractive holiday resorts. In the vicinity of Scotland's oldest University are to be found five golf courses (including the celebrated Old Course), a two-mile sand beach which provides excellent sea-bathing, tennis courts (in the immediate vicinity of the Mathematical Institute) and many buildings of historical interest, while the adjoining countryside offers many pleasant walks.

Early registration would be much appreciated. Application forms may be obtained by sending a stamped self-addressed envelope to the Colloquium Secretary:

*Dr Dorothy M.E. Foster,
Mathematical Institute,
University of St Andrews,
North Haugh,
St Andrews KY16 9SS,
Fife,
Scotland.*

For telephone enquiries, ring 0334 76161, Ext. 8198.